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ABSTRACT

This report summarizes data obtained for the National Center for Education Statistics (NCES) in a survey of the courses taught in public secondary schools of the 50 states and the District of Columbia during the 1972-73 school year. Questionnaires were mailed to a sample of 8,489 schools throughout the nation offering course work in any or all of grades 7-12; the schools selected were generally representative by size, type, and location of schools within each state. In addition to examining course organization and curricular practices, the main thrust of the survey was to elicit the titles and number of courses being offered by secondary schools and to determine the number of pupils who availed themselves of these offerings. The main purpose of the report is to provide up-to-date information to the respondent schools and state education agencies, although the historical comparability of the data was also considered. Appendix A provides technical information on how the data were collected and analyzed, and Appendix B contains a reproduction of the 18-page questionnaire that was completed by the respondent schools. (Author/JG)

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Summary of Offerings and Enrollments in Public Secondary Schools, 1972-73

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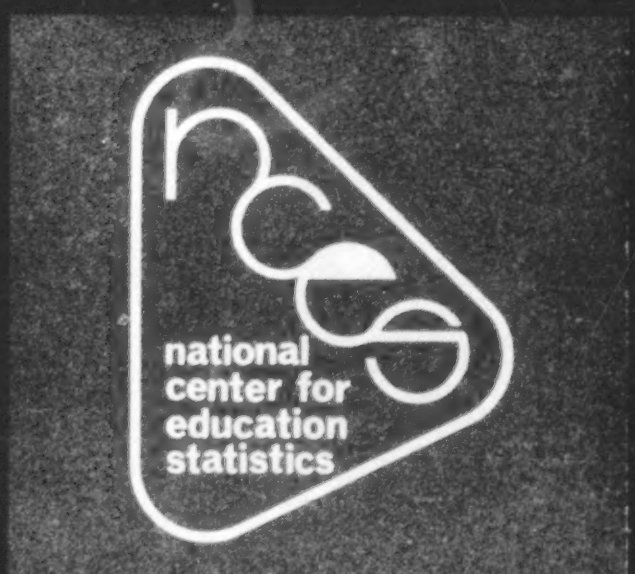

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HIGHLIGHTS

Secondary school enrollment.–Enrollment in secondary schools with grade 7 or above increased from an estimated 11,700,000 pupils to over 18,100,000 pupils between 1960-61 and 1972-73, the most recent years in which surveys of course offerings and enrollments were conducted by the U.S. Office of Education. The number of such schools remained in the 22,000 to 23,000 range during the same period.

Number of courses.–In the early 1970's, more than 2,000 differently designated courses were reported being taught in grades 7 to 12 of the public secondary schools in the United States. This compares with about 1,100 courses reported in the 1960-61 predecessor survey.

Courses offered.–Traditional courses continue to be offered by 45 percent or more of the secondary schools, including English in each of the grades from 7 to 12, public speaking, U.S. history, world history, grade 7 math, elementary and advanced general math, elementary and intermediate algebra, plane geometry, biology, chemistry, physics, Spanish I and II, French I, health and/or physical education in each of the grades from 7 to 12, choir, band, art, home economics I, typewriting I, driver education, bookkeeping I, and shorthand I.

The proportions of pupils enrolled in these courses have decreased, presumably because there are so many other choices available. The alternatives are in a sequence of short course offerings of current interest, such as ethnic literature, American Indian problems, the U.S. Constitution, and intergroup relations.

Trends in course enrollments.–Enrollments in ancient history, grade 9 community civics, problems of democracy, general science, and Latin have declined sharply since 1960-61, but sociology, consumer education, earth-space sciences, environmental courses, and drama courses are increasingly absorbing the attention of high school pupils in the United States.

Subject areas.–English language arts and social sciences remain as the two subject areas in which course enrollments represent 100 percent or more of total pupils enrolled in grade 7 to 12 schools. The greatest excess of course enrollments over total pupils is found in English language arts, where it has increased from 10.6 percent in 1960-61 to 29.6 percent in 1972-73.

Between 1948 and 1972, the percentage of grade 7 to 12 pupils enrolled in each subject area remained generally stable or moved upward except in music, which went from 36.0 to 42.2 to 32.9 percent, respectively, in each of the survey years of the period.

NCES 76-150

Summary of Offerings and Enrollments in Public Secondary Schools, 1972-73

by
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National Center for
Education Statistics

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FOREWORD

Surveys of offerings and enrollments in high school courses have been conducted periodically by the U.S. Office of Education since 1890: annually from 1890 to 1906, then in school years 1910-11, 1915-16, 1922-23, 1928-29, 1934-35, 1948-49, and 1960-61. More frequent surveys and studies, planned during the 1960's when there was much ferment in the school curriculum area, did not prove feasible. Very few State education agencies maintain data on this educational component, and collection of data from individual schools, as in the present survey, involves much planning, communication with all levels of the educational establishment, and considerable cost, so this activity was delayed until the 1972-73 school year, 12 years after the preceding survey.

This report summarizes the 1972-73 data and trends in high school courses for the 50 States and the District of Columbia. A more detailed report is being prepared to provide similar data on each State and on secondary schools by size and grade level.

These data were obtained from a sample of schools teaching secondary courses in grade 7 or above in each State. The aggregation of the inflated data from each State sample provided National estimates. In addition to course organization and curricular practices, the main thrust of the survey was to elicit the titles and number of courses being offered by secondary schools and to determine the number of pupils who availed themselves of these offerings during the 1972-73 school year.

The present report continues the policy of attempting to preserve the historical values of the survey, but the user should note that conclusions to be gleaned from historical data are occasionally precarious. Titles change over time, and a new title may or may not mean new content or a different approach to subject matter. Differences may not be statistically significant, and number changes must always be related to the increased size of the enrollment between surveys. Also, the method of combining course titles for convenience in presenting tables, as has been done in each of the surveys, differs from survey to survey. The main purpose of the report is to present up-to-date information rather than to provide a fully comparable series, although historical comparability had been considered throughout the survey.

The National Center for Education Statistics (NCES) appreciates the cooperation of some 8,000 secondary school principals, school district personnel, and State education agency officials who supplied the data for this survey. Without them, this report could not have been made available.

The mailing, receipt-control, data editing, and tabulation functions for this survey effort were performed by Applied Management Sciences, Inc., of Silver Spring, Md. Thanks are due also to Abraham Frankel, of NCES, for his technical services and advice as sampling specialist and statistical methods coordinator. Diane B. Gertler was responsible for initial development stages of the project until her recent retirement.

Theodore H. Drews, Acting Division Director,
Division of Survey Planning and Analysis

Roy C. Nehrt, Chief
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INTRODUCTION

This report summarizes data obtained for the National Center for Education Statistics (NCES) in a mail survey of courses being taught in public secondary schools of the 50 States and the District of Columbia during the 1972-73 school year. Questionnaires were mailed to a sample of 8,489 schools throughout the United States offering course work in any or all of the grades 7-12; these schools were generally representative of secondary schools by size, type, and location within each of the States. No comparable data had been collected since 1960-61, by the U.S. Office of Education, although similar surveys were conducted at varying intervals since 1890.

This summary report is issued mostly to provide generalized feedback to respondent schools and State education agencies. A number of State education agency officials and high school principals responding to the questionnaire requested early information concerning the types of courses being offered by comparable schools throughout the country. A more comprehensive analysis is expected to be published as soon as all technical operations and analyses have been completed. The later report will relate courses offered and numbers of students enrolled in each State to specific types, sizes, and localities of schools, with supplementary tabulations of selected curricular practices.

CHARACTERISTICS OF SCHOOLS REPRESENTED IN THE SURVEY

The survey of public secondary school course offerings was planned to include only schools with grade 7 or above. Consequently, not represented in this study were grade 7 and 8 enrollments of 19,703 elementary schools and 1,897 combined elementary and secondary schools that included lower grades. The estimated grade enrollments of pupils in the 22,737 schools with no grades under 7 were as follows:

Grade 7	2,413,000
Grade 8	2,536,000
Grade 9	3,685,000
Grade 10	3,657,000
Grade 11	3,243,000
Grade 12	2,853,000
Ungraded: Handicapped	118,000
Other	65,000
Postgraduate	7,000

Of the total schools for which data are presented in the tables, 2,625 were located in the 64 largest cities of the United States (1970 Census population over 200,000).

Separate data will be available 1/ for these large-city schools in tables comparable to table A of this presentation, as well as tables showing course enrollments by size of school, numbers of courses in each subject area by length of course and size of school, and availability of extra-class activities by size of school.

Almost half of the total schools represented in this survey were upper-level secondary schools; almost a third were lower-level schools, and the remainder were combinations of the two levels. They break down into the following grade spans:

	Schools
Total	**22,737**
Grade 7 to 8	2,321
Grade 7 to 9	4,497
Grade 7 to 12	4,303
Grade 9 to 12	7,361
Grade 10 to 12	3,083
Other 2/	1,172

The size distribution among the secondary schools in the survey is estimated as follows:

Total	**22,737**
Under 100 pupils	1,440
100 to 299 pupils	4,094
300 to 499 pupils	3,342
500 to 999 pupils	7,188
1,000 to 1,499 pupils	3,615
1,500 or more pupils	3,058

All of the above characteristics of the population of schools surveyed should be considered in interpreting the data on course offerings and course enrollments.

1 These data are expected to be provided in the final, more comprehensive, report in process.

2 Two States contribute significantly to this group--Georgia, with 156 schools, and Virginia, with 131 schools. Most of these consist of grades 8 to 9 or grades 8 to 12, a pattern not common to most States.

COURSES TAUGHT AND STUDENTS ENROLLED

A national summary of the public secondary schools offering each of the 429 aggregated course titles and estimated secondary-level enrollments in them is presented in table A. Columns 2 and 3 show the estimated numbers of schools offering each course and their percent of the U.S. total numbers of schools (22,737). Columns 4 and 5 show the numbers of pupils attending those schools and their percent of U.S. total school enrollment (18,577,234). Columns 6-8 show course enrollments (column 6) and place them in perspective as percent (column 7) of the total school enrollment and (column 8) of enrollments in the schools offering the course.

Most frequent offerings.—Most public secondary schools offer graded English courses in grade 9 and 10. Most also provide a course in speech and public speaking; a year of U.S. history; a year of world history; 2 years of general math and elementary and intermediate algebra, a year each of biology, chemistry, and physics, first-year Spanish, 6 years of physical education alone or in combination with health, the classroom phase of driver education, choir, band, a year of art, a year of home economics, and a year of typewriting. In addition, almost half of all secondary schools teach graded English in grades 7, 8, 11, and 12; general math in grade 7; plane geometry; first-year French; second-year Spanish; practice driving; a year of bookkeeping; and a year of shorthand.

Highest subject enrollments.—The following courses had more than 1 million student enrollments during the 1972-73 school year:

Each of the graded courses in English
U.S. history, grades 7-8
U.S. history, grades 9-12
World history, grades 9-12
American government
General math, grade 7
General math, grades 9-12
Algebra, elementary
Algebra, intermediate
General science, grade 7
General science, grade 8
General science, grade 9
Biology I
Physical science I
Health, grades 9-12
Health and physical education, grade 9
Physical education, all grades
Each of the graded courses in physical education, grades 7-11
Driver education, both aspects
General music
Chorus
Band
Art, grades 7-8
Art I
General industrial arts, grades 7-8
Typewriting

Fewer than a million enrollments appeared in each of several courses offered by 45 percent or more of the Nation's secondary schools, indicating that schools tend to offer a number of courses that are not in wide demand because the schools desire to provide for the needs of all pupils, because the State requires that certain sequences be offered, or because it is customary to do so. These courses in 1972-73 were speech and public speaking I, first-year French, first- and second-year Spanish, bookkeeping I, shorthand I, chemistry I, physics I, and home economics I. The highest enrollment among these was reported in chemistry I (911,018); the lowest, in physics I (358,048).

Courses in areas of public concern.—Table C shows the addition to the curriculum of numerous courses in areas of broad public concern which were not offered in the past (grades 9-12 only). Courses in such subject areas increased both in the number of schools offering them and the number of course enrollments. Several examples are cited in the following paragraphs.

The number of schools offering consumer education, which included consumer economics in the 1960-61 3/ survey, rose from 1,800 schools 12 years before to 7,293 schools in 1972-73, representing an increase of 305 percent. Enrollments in consumer education courses rose from 77,437 to 412,627, constituting an increase of 433 percent. In considering these increases in the number of enrollments, one must always be mindful of the 58-percent increase in secondary school pupils since 1960-61 (from 11.7 million to 18.6 million).

Courses dealing with *conservation and the environment* increased from a barely measurable report of conservation courses aggregated under grade 9 general science in 1960-61 to the current showing of an estimated 3,874 schools offering courses and 362,935 enrollments in the study of environmental education, ecology, entomology, conservation, environmental science, and environmental health.

Earth-space science enrollments expanded from 76,565 in high school earth science in 1960-61 to 1,212,061 in earth-space science, earth science, space science, geology, or oceanography. Earth science enrollments alone

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3 The 1960-61 data in this report were obtained from Subject Offerings and Enrollments in Public Secondary Schools. Washington: U.S. Government Printing Office, 1965. Office of Education Bulletin OE 24015-61.

in 1972-73 expanded more than 12-fold over 1960-61 figures.

Speech, drama, and writing.–Enrollments in speech courses increased from 458,700 pupils in 1960-61 to a million in 1972-73. Enrollments in drama and acting courses grew from 119,500 in 1960-61 to 576,626 in 1972-73. Concurrently, enrollments in writing and composition courses rose from 47,600 pupils in 1960-61 to 1,229,199 in 1972-73, a 25-fold increase. These changes might be considered as the schools' response to criticisms that "Johnny" can't read or write.

Foreign languages.–The percentage of total enrollments in foreign languages increased from 22.0 percent of total grade 7-12 public school enrollment in 1960-61 to 24.3 percent in this survey. Spanish was the most popular language studied, with 2.2 million enrollees, while French was the second choice, with more than 1.3 million. Next in order of popularity were German and Latin. The total number of pupils studying Latin in 1972-73 was one-third that in 1960-61.

Science and mathematics.–During the 1972-73 school year, public secondary schools taught mathematics courses, with about 13.2 million enrollments, and natural science courses, with 12.5 million, from the 18.6 million total pupil population. Within these broad areas, there were substantial shifts among specific subjects since the preceding survey. As a percentage of all pupils enrolled, general science decreased from 37.4 to 20.9, while biology enrollment increased. The percentage of enrollments in chemistry decreased somewhat, in contrast to physics, which increased. Earth-space sciences increased spectacularly, as already indicated.

Social sciences.–It is difficult to follow trends in specific history courses because of changes in scope from separate history sequences to various broad or specific area studies. Furthermore, a number of short courses now offered were formerly included as units of year-long offerings. A number of shifts within the area are visible, however. Quite evident is a shift to non-Western history and non-Western area study courses from the previous American and Western European emphasis.

Both the number and percent of pupils enrolled in sociology courses increased substantally in this survey, from less than 300,000 in 1960-61 to almost 1 million in 1972-73. Geography enrollments over the same period increased by half again as many pupils, although they still constituted but 9.2 percent of total enrollment.

The problems of democracy course widely taught in earlier survey years declined both in number and percent of enrollments, but it is now supplemented by specific courses such as U.S. Constitution, basic American law, and State government.

Short social science courses of specific local interest are offered in a number of schools. Among these are minority problems, intergroup relations, regional history, specific ethnic history, and police procedures.

TRENDS IN SUBJECT AREAS

In the three most recent surveys, enrollments in each of two subject areas–English language arts and social sciences–exceeded the total pupil population in public secondary schools with grades 7 and above (table B). Several factors are at work here: (1) Since two years or more of English, physical education, and social studies are usually required of all pupils some time during their secondary school career, nearly the entire student body is likely to be enrolled at any one time in at least one course in these subject areas; and (2) pupils who enrolled in two or more courses simultaneously or in successive short periods during 1972-73 were counted as many times as the number of those courses.

The present survey showed an increased discrepancy between total course enrollment and total school enrollment, particularly in the field of English language arts, which reveals 29.6 percent more course enrollments than pupils enrolled in the schools, compared with 10.6 percent in 1960-61. This is due primarily to a proliferation of so-called "minicourses" or "short courses," usually ranging in length from 3 to 9 weeks. Similar offerings of short duration affect the area of social sciences. 4/

In the case of health and physical education courses, the total of enrollments is boosted by additional courses, such as health; alcohol, drugs, and tobacco; and family life, which are required in many schools. Driver education, included in the health and physical education subject area in previous surveys, has become a separate department in many States. The survey questionnaire recognized this change in its design, with the consequence that this year's figures for driver education were reported separately and would not ordinarily be included with the general field of health and physical education. However, for purposes of this comparison over time, driver education enrollments were added

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4 These two subject areas, English language arts and social sciences, would be found to have even greater weight in the high school curriculum if core curriculums, interdisciplinary courses, and alternate year offerings of courses were considered. Supplementary data on the latter techniques will be provided in the final report of the 1972-73 survey.

to health and physical education enrollments, as were also Reserve Officer Training Corps enrollments. The result is the 115.8-percent enrollment figure shown in table B.

In table B, the percentage of pupils enrolled in music courses declined from previous surveys, while enrollments in art courses increased from 20.3 to 27.6 percent of total pupils, and enrollments in industrial arts rose from 28.7 to 30.8 percent in the past 12 years. In absolute numbers, these rises since 1960-61 are more striking, with enrollments in art increasing from 2.4 million to 5.1 million and industrial arts enrollments increasing from 3.4 million to 5.7 million in 1972-73. This increase is tempered, of course, by the 58.3-percent increase in total grade 7 to 12 enrollments between the two most recent surveys. Still, the increasing numbers in two areas are important in consideration of manpower training needs and employment opportunities, as well as a gauge of educational material requirements.

DESCRIPTION OF THE TABLES AND GUIDE TO THEIR USE

The three basic tabulations included in this brief report are (1) table A, summary of the estimated numbers and percents of public secondary schools in the United States offering the most common high school courses and the numbers and percents of pupils enrolled in them during the year 1972-73; (2) table B, estimated total enrollments in each of 15 subject areas, compared with similar enrollments obtained in the two preceding surveys; and (3) table C, a comparison of total enrollments, grades 9-12 only, in selected courses or subject areas for each survey year since 1890.

Table A, on pages 8 to 16, summarizes all offerings and enrollments data collected in the survey for the 50 States and the District of Columbia. 5/ Courses reported by sample schools have been inflated to represent all secondary schools 6/ and pupils in the United States. For tabular presentation, the more than 2,000 course titles reported have been collapsed to a listing of 429. The later, more comprehensive report of this survey will include an appendix setting forth the scheme by which all reported courses were aggregated, first into 429 titles and then into 135 titles for additional tables.

Table B, on page 17, compares the number and percent of enrollments in each subject area listed on the 1972-73 survey questionnaire (appendix B) with those reported in parallel surveys of 1960-61 and 1948-49. To the extent that pupils are enrolled in more than one course in a subject area during the year—e.g., United States history and an additional course in economics or sociology in the social sciences—total course enrollments exceed the total number of pupils enrolled in the schools. The totals of such enrollments ranged in the three years from 5 to 7 times the total numbers of secondary school pupils enrolled in grade 7 to 12 schools; introduction of short courses or "minicourses" tend to increase this number of courses per pupil.

Table C, on page 18, summarizes grade 9-12 enrollments throughout the United States in selected courses or subject areas that were carried in each of the offerings and enrollments surveys of the past eight decades. The comparisons should be regarded only as a guide to the relative importance of courses over time, and absolute comparisons should be avoided because of the difficulties in reconciling inconsistencies in survey procedures and aggregation patterns of course titles in the infrequent surveys conducted since 1890.

In reading the tables, it should be kept in mind that the data, relating to course titles, imperfectly reflect course content. The term "course enrollment" refers to the enrollment of one person in a single course; that person is duplicated in summarized course enrollment data for each course taken during the survey year. Thus, the sum of course enrollments shown in tables A and B for 1972-73 is 6.6 times the estimated number of pupils attending grades 7 to 12 in public secondary schools.

The reader should also be mindful that the frequency of course offerings related to particular grades, such as grade 8 English, should be compared with the enrollment in the grade or grades rather than to enrollment in the entire school; e.g., 90.4 percent of 8th-graders are enrolled in grade 8 English, although only 12.3 percent of total pupils in grades 7 to 12 are so enrolled. The comparisons can only be approximate, because pupils in one grade are frequently enrolled in courses designed primarily for other grade levels. In fact, a tendency toward ungraded courses seems to be on the increase.

Each school offering a listed course title was counted only once, even when the school offered two or more courses that were aggregated into a combined course

5 Excluded from the totals are special education courses, core programs, interdisciplinary courses, and schools offering listed courses in alternate years. Data on each of these omitted areas are being prepared for the full-scale survey publication.

6 Only the schools offering secondary-level work in grades 7 and above were included; schools with grades 1 to 9, 1 to 12, 6 to 8, 6 to 9, 6 to 12, etc., were considered outside the scope of the 1972-73 survey and were therefore omitted.

title, such as recreation/lifetime sports/hobbies in the health and physical education subject area. Table A shows, in columns 2 and 3, the estimated number of schools offering each listed course and that number as percent of the U.S. total secondary schools. The percentages in column 8 of table A relate course enrollments (column 6) to enrollments of the schools actually offering the courses. Column 7 relates the course enrollments to U.S. total secondary-level enrollment.

Another problem of interpretation deals with trend data. Although much consideration was given to maintaining comparability with previous surveys, absolute comparisons are not possible. This is due to the evolutionary nature of course offerings, the long periods between surveys, semantic differences, and the constant increase in the number and variety of courses being taught. For example, grade 12 English data for 1972-73 cannot accurately be compared with grade 12 English data for 1960-61, unless short courses in literature, communications, and drama being offered as alternatives to 12th-graders are also considered. Before concluding that the offerings or enrollments in a traditional course have markedly increased or decreased in 1972, the reader should examine the list of courses to find titles which might have been subsumed under the traditional course name originally but now appear separately.

Further explanations of sample restrictions, together with tables of standard errors, are included in the Technical Appendix to this report. *We urge the user to examine these carefully when referencing these data.*

SCOPE AND METHOD OF THE SURVEY

Data for the current survey were obtained from an 18-page questionnaire (appendix B) mailed to a sample of approximately one-third of the public schools providing instruction at the grade 7 level or higher in the 50 States and the District of Columbia during spring term 1973. The population used for sampling was the 1971-72 universe of public day schools collected in the ELSEGIS IV survey (Elementary and Secondary General Information System) the latest universe available on the mailing date. Adjustments were made to account for changes between the 1971-72 and 1972-73 school years.

At the option of individual States, questionnaires were distributed in two basic ways: (1) direct mailing of questionnaires by NCES to local education agencies and (2) mailing of questionnaires to State education agencies for distribution, collection, and partial editing of the forms prior to returning them to NCES. Data from responding schools were inflated to represent a universe of 22,737 schools having various combinations of grades from grade 7 through grade 12, with a total estimated enrollment of 18,5?,7,234.

Respondents were asked to report course enrollments for the 1972-73 school year, as follows: (1) For full-year courses, enrollments as of February 1, 1973, and (2) for shorter-term courses, the sum of the enrollments for each term in which the course was given during the year. Thus the enrollments in each semester-length or shorter-term course for the entire school year were to have been summed for this report.

The printed questionnaire for the survey listed 382 course titles under 16 subject areas and 83 occupational programs in eight occupational areas. In addition, the survey form included a precoded list of 274 courses and 15 occupational programs for the respondents' use. School principals, the usual respondents, were asked to write in the actual titles of courses given in their schools if they were not entirely satisfied that similar content was covered by the listed titles. As a result, respondents listed more than 2,000 course titles with many of the titles mentioned only once or twice. With the advice of subject-area specialists, titles were first classified by manual editors into 1?.35 categories to be entered on the computer tape, and then, in the interest of reasonable tabular presentation, were further aggregated to the 429 course titles listed in table A. However, data on each of the 1,890-plus-course titles, with weights indicated, have been compiled and are available to interested subject-area specialists and other users upon request from: NCES/ESSB, Room 2161, FOB 6, Washington, D.C. 20202.

TABLE A.—PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
05.English language arts	22,652	99.6	18,521,179	99.7	24,079,059	129.6	130.0
English, N.E.C.	699	3.1	755,555	4.1	231,053	1.2	30.6
English, Grade 7	10,408	45.8	7,014,705	37.8	2,114,681	11.4	30.1
English, Grade 8	11,267	49.6	7,706,540	41.5	2,292,242	12.3	29.7
English, Grade 9	16,210	71.3	12,549,070	67.6	3,331,135	17.9	26.5
English, Grade 10	13,175	58.0	10,845,482	58.4	2,837,054	15.3	26.2
English, Grade 11	11,137	49.0	9,065,753	48.8	2,007,795	10.8	22.1
English, Grade 12	10,598	46.6	8,620,819	46.4	1,383,542	7.4	16.0
English, advanced/seminar/workshop	630	2.8	782,968	4.2	41,341	.2	5.3
English, practical	506	2.2	576,783	3.1	36,506	.2	6.3
English, remedial	2,676	11.8	2,608,249	14.0	195,615	1.1	7.5
English, independent study	930	4.1	1,151,370	6.2	43,935	.2	3.8
English, college-level/advanced placement	1,586	7.0	1,979,577	10.7	86,238	.5	4.4
English fundamentals	1,206	5.3	1,337,726	7.2	165,757	.9	12.4
Reading, basic/general	3,637	16.0	3,322,016	17.9	646,748	3.5	19.5
Reading, developmental	5,954	26.2	6,227,767	33.5	923,075	5.0	14.8
Reading, remedial	7,180	31.6	7,248,513	39.0	638,986	3.4	8.8
Spelling	353	1.6	242,992	1.3	54,807	.3	22.6
Linguistics	645	2.8	797,909	4.3	85,881	.5	10.8
Grammar/vocabulary/semantics	650	2.9	775,328	4.2	63,516	.3	8.2
Literature, specific/N.E.C.	950	4.2	1,074,159	5.8	159,579	.9	14.9
Literature, American	6,282	27.6	5,561,738	29.9	994,199	5.4	17.9
Literature, Bible/religious	940	4.1	1,396,572	7.5	49,397	.3	3.5
Literature, English	5,219	23.0	4,609,088	24.8	478,841	2.6	10.4
Literature, Eastern/Western/World	3,497	15.4	3,877,713	20.9	394,411	2.1	10.2
Literature, ethnic/Black	1,484	6.5	2,004,932	10.8	104,104	.6	5.2
Literature, Twentieth Century	2,587	11.4	3,029,931	16.3	303,421	1.6	10.0
Short story	1,706	7.5	1,835,803	9.9	165,856	.9	9.0
Fiction and fantasy	281	1.2	406,071	2.2	27,944	.2	6.9
Poetry	1,375	6.0	1,658,492	8.9	86,973	.5	5.2
The novel	1,566	6.9	1,669,084	9.0	132,163	.7	7.9
Horror/suspense/mystery	268	1.2	384,336	2.1	42,318	.2	11.0
Science fiction	495	2.2	717,164	3.9	49,551	.3	6.9
Literature for adolescents/athletes and athletics	225	1.0	305,503	1.6	23,602	.1	7.7
Myth and legend	1,661	7.3	2,081,252	11.2	131,030	.7	6.3
Humanities	595	2.6	854,501	4.6	43,277	.2	5.1
Problem-solving through literature/great ideas	519	2.3	785,926	4.2	63,077	.3	8.0
Composition	5,228	23.0	5,542,238	29.8	921,212	5.0	16.6
Journalism/school publications	9,169	40.3	10,040,767	54.0	370,828	2.0	3.7
Creative writing	5,299	23.3	6,239,487	33.6	307,987	1.7	4.9
Argumentation and debate	2,372	10.4	2,939,071	15.8	71,380	.4	2.4
Communication theory/speech/diction	681	3.0	811,532	4.4	58,986	.3	7.3
Speech and public speaking I	11,365	50.0	10,716,131	57.7	764,071	4.1	7.1
Speech and public speaking II	981	4.3	1,082,268	5.8	33,029	.2	3.1
Speech through mass media	1,873	8.2	2,356,007	12.7	198,221	1.1	8.4
TV/radio/film	1,416	6.2	2,160,421	11.6	139,978	.8	6.5
Theatre/drama	5,906	26.0	7,168,005	38.6	315,111	1.7	4.4
Acting	600	2.6	878,187	4.7	32,296	.2	3.7
Dramatic literature/Shakespeare	2,242	9.9	2,760,760	14.9	119,078	.6	4.3
Play production/creative dramatics	2,175	9.6	2,857,063	15.4	110,141	.6	3.9
Library and media practices/research techniques	2,826	12.4	2,704,487	14.6	204,532	1.1	7.6
Education (teacher training)	69	.3	81,697	.4	2,558	--	3.1

TABLE A.–PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73–*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
15.Social Sciences	22,560	99.2	18,460,108	99.4	18,898,794	101.7	102.4
Anthropology/archeology	1,462	6.4	2,069,333	11.1	116,784	.6	5.6
Acculturation/world cultures	1,380	6.1	1,619,851	8.7	258,472	1.4	16.0
Area studies, N.E.C./other specified	213	.9	270,578	1.5	33,017	.2	12.2
Area studies and history, African	500	2.2	716,726	3.9	47,614	.3	6.6
Area studies, Asian/Oriental	506	2.2	729,817	3.9	47,623	.3	6.5
Area studies, European	619	2.7	860,203	4.6	92,275	.5	10.7
Area studies, Asian and African/Middle Eastern	568	2.8	787,510	4.2	111,437	.6	14.2
Area studies and history, Russian	565	2.5	786,825	4.2	33,849	.2	4.3
Area studies, American	311	1.4	345,108	1.9	53,526	.3	15.5
Area studies and history, Latin American	582	2.6	778,500	4.2	39,839	.2	5.1
Conservation	358	1.6	305,033	1.6	36,656	.2	12.0
Environmental education	600	2.6	715,635	3.9	59,367	.3	8.3
Consumer education	934	4.1	836,251	4.5	74,732	.4	8.9
Economics	5,998	26.4	6,320,243	34.0	451,352	2.4	7.1
Consumer economics	1,506	6.6	1,411,998	7.6	100,813	.5	7.1
Economic problems/history	224	1.0	279,200	1.5	24,305	.1	8.7
Geography, Grade 7-8	2,376	10.5	1,682,914	9.1	552,936	3.0	32.9
Geography, human and cultural/HSGP	641	2.8	721,304	3.9	102,205	.6	14.2
Geography, political/economic	932	4.1	824,472	4.4	79,691	.4	9.7
Geography, physical	843	3.7	739,149	4.0	100,024	.5	13.5
Geography, regional	795	3.5	744,059	4.0	102,151	.5	13.7
Geography, world	6,697	29.5	5,878,913	31.6	773,724	4.2	13.2
History, N.E.C./college level	819	3.6	1,186,147	6.4	47,641	.3	4.0
History, American and world backgrounds	4,119	18.1	3,280,442	17.7	810,907	4.4	24.7
History, local and regional	335	1.5	328,292	1.8	34,290	.2	10.4
History, modern European	1,302	5.7	1,729,959	9.3	131,308	.7	7.6
History, State, Grade 7-8	3,480	15.3	2,242,237	12.1	662,209	3.6	29.5
History, State, Grade 9-12	2,686	11.8	2,104,057	11.3	322,262	1.7	15.3
History, United States, Grade 7-8	7,356	32.4	5,099,366	27.4	1,672,332	9.0	32.8
History, United States, Grade 9-12	12,125	53.3	10,356,195	55.7	2,828,031	15.2	27.3
American studies	824	3.6	974,853	5.2	211,958	1.1	21.7
Afro-American studies/Black history	1,803	7.9	2,672,959	14.4	143,770	.8	5.4
American Indian problems/history	548	2.4	489,141	2.6	58,188	.3	11.9
Western civilization/history	1,573	6.9	1,814,564	9.8	217,086	1.2	12.0
Non-Western civilization/history	781	3.4	926,031	5.0	148,139	.8	16.0
Oriental history	468	2.1	607,196	3.3	25,529	.1	4.2
World civilization/history	438	1.9	527,568	2.8	61,018	.3	11.6
Ancient/medieval history	1,209	5.3	1,399,508	7.5	135,327	.7	9.7
World history, Grade 7-8	2,121	9.3	1,364,039	7.3	386,582	2.1	28.3
World history, Grade 9-12	11,267	49.6	9,318,003	50.2	1,561,401	8.4	16.8
Humanities and philosophy	741	3.3	1,122,960	6.0	47,542	.3	4.2
American government	8,955	39.4	7,696,471	41.4	1,219,929	6.6	15.9
U.S. Constitution	802	3.5	636,731	3.4	109,814	.6	17.2
Problems of Democracy	3,472	15.3	3,043,310	16.4	325,846	1.8	10.7
State government	366	1.6	302,023	1.6	54,636	.3	18.1
Community civics	3,985	17.5	3,107,422	16.7	526,283	2.8	16.9
Basic American law	796	3.5	1,055,746	5.7	73,374	.4	6.9
Comparative systems	771	3.4	951,087	5.1	67,752	.4	7.1
Contemporary world affairs/modern history	1,377	6.1	1,569,521	8.4	118,658	.6	7.6
Current events	2,647	11.6	2,452,302	13.2	228,629	1.2	9.3
International relations	1,421	6.3	1,685,509	9.1	85,181	.5	5.1
Political theory/political science	921	4.1	1,198,256	6.5	62,266	.3	5.2
Human relations	400	1.8	535,370	2.9	37,103	.2	6.9
Psychology	6,870	30.2	6,960,325	37.5	611,468	3.3	8.8

TABLE A.—PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73—*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
15.Social Sciences (continued)							
Sociology/social organization	7,733	34.9	8,315,512	44.8	604,453	3.3	7.3
Sociology, urban	482	2.2	696,434	3.7	55,219	.3	7.9
Social problems/criminology	1,366	6.0	1,500,048	8.1	166,296	.9	11.1
Racial and minority problems	648	2.9	901,987	4.9	44,169	.2	4.9
Religion, comparative and Bible history	642	2.8	875,402	4.7	41,427	.2	4.7
Social studies, Grade 7	2,889	12.7	2,207,237	11.9	545,537	2.9	24.7
Social studies, Grade 8	2,733	12.0	2,078,547	11.2	509,205	2.7	24.5
Social studies, Grade 9-12 and above	2,634	11.6	2,753,696	14.8	422,024	2.3	15.3
Intergroup (community) relations	896	3.9	1,183,220	6.4	78,771	.4	6.7
Career education/occupational guidance	803	3.5	677,106	3.6	112,845	.6	16.7
11.Mathematics	22,644	99.6	18,523,898	99.7	13,240,326	71.3	71.5
General math, N.E.C.	685	3.0	770,676	4.1	31,821	.2	4.1
General math, Grade 7	10,863	47.8	7,398,795	39.8	2,198,360	11.8	29.7
General math, Grade 8	11,508	50.6	7,882,799	42.4	2,198,017	11.8	27.9
General math, Grade 9-12, elementary	12,275	54.0	10,942,039	58.9	1,328,644	7.2	12.1
General math, Grade 9-12, advanced	7,388	32.5	7,246,765	39.0	642,005	3.5	8.9
Remedial math, Grade 7-8	2,267	10.0	1,733,869	9.3	151,113	.8	8.7
Remedial math, Grade 9-12	4,411	19.4	4,721,241	25.4	328,423	1.8	7.0
Pre-algebra	505	2.2	647,892	3.5	50,485	.3	7.8
Algebra, elementary	16,253	71.5	14,555,380	78.4	1,918,744	10.3	13.2
Algebra, intermediate	13,142	57.8	11,861,597	63.9	1,198,312	6.5	10.1
Algebra, advanced	7,091	31.2	6,702,220	36.1	400,585	2.2	6.0
Algebra/trigonometry	3,304	14.5	3,930,149	21.2	208,434	1.1	5.3
Applied mathematics	1,643	7.2	1,953,608	10.5	116,970	.6	6.0
Consumer mathematics	676	3.0	727,142	3.9	39,01[illegible]	.2	5.4
Computer mathematics	1,821	8.0	3,009,067	16.2	62,686	.3	2.1
Geometry, plane	9,624	42.3	8,426,731	45.4	835,164	4.5	9.9
Geometry, plane and solid	5,610	24.8	5,708,883	30.7	590,642	3.2	10.3
Geometry, solid	751	3.3	705,832	3.8	40,202	.2	5.7
Math analysis	3,080	13.5	3,600,238	19.4	97,721	.5	2.7
Elementary functions	694	3.1	966,517	5.2	30,642	.2	3.2
Probability and statistics	1,057	4.6	1,525,811	8.2	25,184	.1	1.7
Trigonometry	4,960	21.8	5,129,388	27.6	170,794	.9	3.3
College-level mathematics	2,000	8.8	2,311,766	12.4	53,688	.3	2.3
Calculus/1st/2d year/advanced	1,583	7.0	2,202,052	11.9	28,789	.2	1.3
Calculus/geometry	1,201	5.3	1,680,670	9.0	25,831	.1	1.5
SMSG, N.E.C./calculus/algorithms with computations	1,211	5.3	1,551,017	8.3	71,027	.4	4.6
SMSG, Grade 7-8	270	1.2	221,202	1.2	77,459	.4	35.0
SMSG, Grade 9 (algebra)	1,328	5.8	1,038,441	5.6	133,118	.7	12.8
SMSG, Grade 10 (geometry)	1,010	4.4	875,187	4.7	79,798	.4	9.1
SMSG, Grade 11 (algebra 3 and 4)	784	3.4	671,777	3.6	42,958	.2	6.4
SMSG, Grade 12 (trigonometry with math analysis)	1,654	7.3	1,300,648	7.0	35,844	.2	2.8
SSMCIS, Grades 7-12	125	.5	219,435	1.2	15,045	.1	6.9
UICSM, Grades 7-12	64	.3	92,281	.5	9,074	--	9.8
GCMP, Grades 7-11/IPI, all grades	14	.1	12,305	.1	3,737	--	30.4
13.Natural Sciences	22,642	99.6	18,524,351	99.7	12,475,429	67.2	67.3
General science, Grade 7	7,324	32.2	5,101,430	27.5	1,406,541	7.6	27.6
General science, Grade 8	7,335	32.3	5,256,403	28.3	1,319,641	7.1	25.1
General science, Grade 9	7,089	31.2	5,797,397	31.2	1,000,947	5.4	17.3
General science, Grade 10 to 12	2,545	11.2	2,650,399	14.3	145,220	8	5.5

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(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
13.Natural Sciences (continued)							
ISCS, Grade 7	443	1.9	315,563	1.7	81,715	.4	25.9
ISCS, Grade 8	382	1.7	284,579	1.5	68,946	.4	24.2
ISCS, Grade 9	243	1.1	222,877	1.2	33,729	.2	15.1
Biological sciences, N.E.C./other specified	760	3.4	963,824	5.2	62,400	.3	6.5
Anatomy/anthropology/genetics	266	1.2	358,929	1.9	18,950	.1	5.3
Ecology/entomology/conservation	1,468	6.5	1,772,392	9.5	102,235	.6	5.8
Physiology/biophysics	2,336	10.3	2,805,236	15.1	129,749	.7	4.6
Technical applications/applied biology	924	4.1	1,168,407	6.3	79,732	.4	6.8
Environmental science	1,267	5.6	1,421,584	7.7	114,343	.6	8.0
Zoology	968	3.8	868,330	4.7	66,189	.4	7.6
Botany	845	3.7	835,141	4.5	54,293	.3	6.5
Biology I	12,671	55.7	10,816,649	58.2	2,049,106	11.0	18.9
Biology II	4,404	19.4	4,745,759	25.5	172,388	.9	3.6
Biology, college-level/microbiology/bacteriology	614	2.7	1,010,650	5.4	25,729	.1	2.5
BSCS, blue version	1,043	4.6	1,241,824	6.7	125,736	.7	10.1
BSCS, green version	2,305	10.1	2,274,950	12.2	301,654	1.6	13.3
BSCS, yellow version	1,268	5.6	1,545,921	8.3	185,651	1.0	12.0
BSCS, special materials	562	2.5	752,584	4.1	46,517	.3	6.2
BSCS, 2d course	642	2.8	721,552	3.9	21,548	.1	3.0
Life science	3,990	17.6	3,345,350	18.0	684,022	3.7	20.4
Physical science, 1st year	9,234	40.6	8,218,713	44.2	1,118,450	6.0	13.6
Physical science, 2d year	760	3.3	806,591	4.3	44,746	.2	5.5
TSM/CBA/ECP	194	.9	260,091	1.4	17,923	.1	6.9
Chemistry, 1st year	13,035	57.3	11,799,290	63.5	911,018	4.9	7.7
Chemistry, 2d year	2,433	10.7	3,107,035	16.7	60,141	.3	1.9
Chemistry, applied	482	2.1	705,689	3.8	24,843	.1	3.5
Chem study	824	3.6	1,128,748	6.1	65,405	.4	5.8
Chemistry and physics, college level	408	1.8	699,087	3.8	14,050	.1	2.0
Physics, 1st year	11,275	49.6	10,804,079	58.2	358,048	1.9	3.3
Physics, 2d year	841	3.7	1,129,845	6.1	16,042	.1	1.4
PSSC physics	613	2.7	940,386	5.1	24,634	.1	2.6
HPP physics (project)	549	2.4	757,384	4.1	21,306	.1	2.8
IPS physical sciences	1,364	6.0	1,425,660	7.7	215,818	1.2	15.1
IME physics	171	.8	178,465	1.0	31,353	.2	17.6
Electricity/electronics/other applied physics	462	2.0	525,420	2.8	21,240	.1	4.0
Earth-space sciences/meteorology/astronomy	431	1.9	559,731	3.0	28,774	.2	5.1
Aeronautics	566	2.5	750,244	4.0	21,373	.1	2.8
Earth sciences	7,376	32.4	6,714,073	36.1	990,184	5.3	14.7
Space science	514	2.3	598,927	3.2	46,756	.3	7.8
ESCP	393	1.7	435,707	2.3	57,185	.3	13.1
Geology	655	2.9	788,954	4.2	43,085	.2	5.5
Oceanography	579	2.5	820,417	4.4	46,077	.2	5.6
06.Foreign Languages	18,393	80.9	17,156,035	92.3	4,510,947	24.3	26.3
Greek, 1st/2d/3d/4th year/classical languages	141	.6	232,261	1.3	9,336	.1	4.0
Latin, Grade 7	272	1.2	251,928	1.4	12,792	.1	5.1
Latin, Grade 8 and combinations with Grade 8	492	2.2	509,602	2.7	16,226	.1	3.2
Latin, 1st year	4,502	19.3	6,019,718	32.4	108,620	.6	1.8
Latin, 2d year	3,940	17.3	5,516,465	29.7	68,853	.4	1.2
Latin, 3d year	1,774	7.8	2,831,243	15.2	16,064	.1	.6
Latin, 4th/5th/6th year/college level	940	4.1	1,554,832	8.4	6,572	--	.4
Chinese, 1st/2d/3d/4th year	65	.3	125,429	.7	3,785	--	3.0
English as a foreign language, 1st/2d/3d year	872	3.8	1,404,482	7.6	40,907	.2	2.9

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(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
06.Foreign Languages (continued)							
French, Grade 7	2,067	9.1	1,970,096	10.6	132,562	.7	6.7
French, Grade 8 and combinations with Grade 8	2,864	12.6	2,774,226	14.9	160,650	.9	5.8
French, 1st year	11,006	48.4	12,674,322	68.2	454,346	2.4	3.6
French, 2d year	9,006	39.6	11,056,353	59.5	367,127	2.0	3.3
French, 3d year	5,977	26.3	8,336,945	44.9	173,356	.9	2.1
French, 4th/5th/6th year/college level	4,083	18.0	6,171,557	33.2	77,706	.4	1.3
German, Grade 7	634	2.8	654,219	3.5	34,379	.2	5.3
German, Grade 8 and combinations with Grade 8	924	4.1	947,303	5.1	40,943	.2	4.3
German, 1st year	5,527	24.3	7,502,510	40.4	202,678	1.1	2.7
German, 2d year	4,626	20.3	6,721,556	36.2	137,714	.7	2.0
German, 3d year	3,282	14.4	5,271,837	28.4	54,547	.3	1.0
German, 4th, 5th, 6th year/college level	1,869	8.2	3,099,616	16.7	19,631	.1	.6
Hebrew, modern and classical, 1st/2d/3d/4th year	59	.3	153,181	.8	2,176	--	1.4
Italian, Grades 7 and 8	52	.2	69,095	.4	4,708	--	6.8
Italian, 1st year	507	2.2	988,843	5.3	21,463	.1	2.2
Italian, 2d/3d/4th/5th year	357	1.6	747,792	4.0	17,213	.1	2.3
Japanese, 1st year	64	.3	120,843	.7	4,275	--	3.5
Japanese, 2d/3d/4th/5th year	48	.2	100,423	.5	3,326	--	3.3
Portuguese, 1st/2d/3d/4th year	31	.1	59,590	.3	2,280	--	3.8
Russian, Grades 7 and 8	61	.3	73,868	.4	2,893	--	3.9
Russian, 1st year	544	2.4	1,010,151	5.4	9,308	.1	.9
Russian, 2d year	460	2.0	856,194	4.6	5,546	--	.6
Russian, 3d/4th/5th year/college level	294	1.3	573,768	3.1	4,661	--	.8
Spanish for native speaking	120	.5	235,801	1.3	11,082	.1	4.7
Spanish, Grade 7	2,533	11.1	2,309,217	12.4	215,977	1.2	9.4
Spanish, Grade 8 and combinations with Grade 8	3,501	15.4	3,244,747	17.5	230,766	1.2	7.1
Spanish, 1st year	12,828	56.4	13,642,482	73.4	887,541	4.8	6.5
Spanish 2d year	10,123	44.5	11,546,054	62.2	579,223	3.1	5.0
Spanish, 3d year	6,379	28.1	8,747,314	47.1	209,112	1.1	2.4
Spanish, 4th/5th/6th year/college level	4,177	18.4	6,404,993	34.5	71,559	.4	1.1
Swahili, 1st/2d/3d year	37	.2	82,114	.4	1,283	--	1.6
General foreign language	570	2.5	613,699	3.3	81,317	.4	13.3
Other specific foreign languages	122	.5	272,874	1.5	6,443	--	2.4
08.Health and Physical Education	22,124	97.3	18,283,299	98.4	17,918,713	96.5	98.0
Health, Grades 7 and 8	2,671	11.7	2,181,073	11.7	748,124	4.0	34.3
Health, Grades 9 to 12	4,904	21.6	4,926,155	26.5	1,185,349	6.4	24.1
Health, personal and family living/sex education	1,017	4.5	1,033,723	5.6	249,642	1.3	24.1
First aid	757	3.3	671,998	3.6	171,444	.9	25.5
Alcohol, drugs, and tobacco	1,082	4.8	844,660	4.5	342,224	1.8	40.5
Environmental health	181	.8	185,614	1.0	50,334	.3	27.1
Health and physical education, all grades, boys	857	3.8	685,803	3.7	183,088	1.0	26.7
Health and physical education, all grades, girls	880	3.9	711,219	3.8	168,582	.9	23.7
Health and physical education, Grade 7, boys	4,063	17.9	2,509,883	13.5	404,397	2.2	16.1
Health and physical education, Grade 7, girls	4,072	17.9	2,512,551	13.5	389,352	2.1	15.5
Health and physical education, Grade 8, boys	4,291	18.9	2,719,112	14.6	427,728	2 3	15.7
Health and physical education, Grade 8, girls	4,281	18.8	2,712,292	14.6	408,317	2.2	15.1
Health and physical education, Grade 9, boys	6,154	27.1	4,382,592	23.6	597,153	3.2	13.6
Health and physical education, Grade 9, girls	6,151	27.1	4,392,280	23.6	559,589	3.0	12.7
Health and physical education, Grade 10, boys	4,250	18.7	3,133,624	16.9	405,990	2.2	13.0
Health and physical education, Grade 10, girls	4,229	18.6	3,152,001	17.0	407,408	2.2	12.9
Health and physical education, Grade 11, boys	2,936	12.9	2,211,787	11.9	214,494	1.2	9.7
Health and physical education, Grade 11, girls	2,865	12.6	2,151,234	11.6	205,816	1.1	9.6
Health and physical education, Grade 12, boys	2,940	12.9	2,199,313	11.8	179,245	1.0	8.2
Health and physical education, Grade 12, girls	2,862	12.6	2,138,549	11.5	165,936	.9	7.8

TABLE A.–PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73–*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
08.Health and Physical Education (continued)							
Health and safety	1,250	5.5	1,149,675	6.2	303,850	1.6	26.4
Physical education, all grades, boys	3,259	18.3	3,735,832	20.1	957,867	5.2	25.6
Physical education, all grades, girls	2,329	10.2	2,491,838	13.4	655,252	3.5	26.3
Physical education, Grade 7, boys	6,035	26.5	4,425,761	23.8	721,714	3.9	16.3
Physical education, Grade 7, girls	5,998	26.4	4,399,672	23.7	658,331	3.5	15.0
Physical education, Grade 8, boys	5,883	25.9	4,397,361	23.7	664,002	3.6	15.1
Physical education, Grade 8, girls	5,848	25.7	4,391,799	23.6	630,624	3.4	14.4
Physical education, Grade 9, boys	8,223	36.2	7,161,908	38.6	963,732	5.2	13.5
Physical education, Grade 9, girls	8,130	35.8	7,083,849	38.1	893,873	4.8	12.6
Physical education, Grade 10, boys	6,472	28.5	6,513,321	35.1	852,493	4.6	13.1
Physical education, Grade 10, girls	6,408	28.2	6,485,983	34.9	801,299	4.3	12.4
Physical education, Grade 11, boys	5,200	22.9	5,440,816	29.3	562,847	3.0	10.3
Physical education, Grade 11, girls	5,127	22.6	5,412,257	29.1	529,839	2.9	9.8
Physical education, Grade 12, boys	4,842	21.3	4,939,805	26.6	419,751	2.3	8.5
Physical education, Grade 12, girls	4,702	20.7	4,861,374	26.2	390,257	2.1	8.0
Physical education, adapted, boys	1,247	5.5	1,839,548	9.9	54,549	.3	3.0
Physical education, adapted, girls	1,172	5.2	1,768,670	9.5	47,285	.3	2.7
Body dynamics/conditioning/posture/apparatus	282	1.2	488,060	2.8	22,664	.1	4.6
Dance, rhythms, and dramatic events	263	1.2	309,395	1.7	58,065	.3	18.8
Modern dance/gymnastics	678	3.0	1,080,239	5.8	71,073	.4	6.6
Individual and dual sports/aquatics/swimming	278	1.2	423,407	2.3	66,900	.4	15.8
Team sports	561	2.5	386,206	2.1	64,796	.3	16.8
Recreation/lifetime sports/hobbies	385	1.7	395,916	2.1	50,220	.3	12.7
Leadership/school support	190	.8	328,004	1.8	13,218	.1	4.0
21.Safety and Driver Education	12,145	53.4	10,339,026	55.7	3,443,532	18.5	33.2
Driver education, classroom instruction	11,695	51.4	10,058,202	54.1	1,813,039	9.8	18.0
Practice driving, including simulation	10,931	48.1	9,226,681	49.7	1,478,785	8.0	16.0
Safety, all grades	575	2.5	495,638	2.7	99,791	.5	20.1
Civil defense	239	1.1	168,104	.9	51,917	.3	30.9
22.Junior R.O.T.C.	1,263	5.6	1,843,455	9.9	155,085	.8	8.4
Junior R.O.T.C./Naval science, 1st year	1,192	5.2	1,767,594	9.5	88,229	.5	5.0
Junior R.O.T.C./Naval science, 2d year	935	4.1	1,437,696	7.7	39,487	.2	2.7
Junior R.O.T.C./Naval science, 3d/4th year	844	3.7	1,282,001	6.9	27,370	.1	2.1
12.Music	20,328	89.4	17,766,882	95.6	6,111,223	32.9	34.4
General music	6,835	30.1	6,261,337	33.7	1,632,656	8.8	26.1
Music appreciation	3,737	16.4	4,424,562	23.8	192,083	1.0	4.3
Theory and harmony/composition/counterpoint	3,564	15.7	4,967,412	26.7	64,775	.3	1.3
Choir	5,934	26.1	7,136,606	38.4	417,455	2.2	5.8
Chorus	14,913	65.6	13,754,955	74.0	1,281,687	6.9	9.3
Glee club	3,530	15.5	3,929,670	21.2	203,539	1.1	5.2
Small vocal ensembles	2,862	12.6	3,379,634	18.2	79,228	.4	2.3
Instrumental music	4,358	19.2	5,203,676	28.0	289,390	1.6	5.6
Band (marching/concert/stage)	18,769	82.6	16,744,162	90.1	1,677,713	9.0	10.0
Orchestra	5,586	24.6	7,423,781	40.0	193,087	1.0	2.6
Small instrumental ensembles	2,697	11.9	3,118,127	16.8	79,611	.4	2.6
02.Art	17,903	78.8	16,868,076	90.8	5,115,981	27.5	30.3
Art, Grade 7-8	8,205	36.1	6,476,187	34.9	2,321,396	12.5	35.8
Art I	12,950	57.0	12,881,796	69.3	1,117,645	6.0	8.7
Art II	7,332	32.3	7,483,341	40.3	291,769	1.6	3.9
Art III/IV	4,921	21.6	5,638,632	30.4	152,184	.8	2.7

TABLE A.–PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73–*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
02.Art (continued)							
Art appreciation/history	1,569	6.9	2,108,517	11.4	134,539	.7	6.4
Art studio	1,312	5.8	1,861,739	10.0	75,881	.4	4.1
Design, commercial/industrial	1,979	8.7	3,193,616	17.2	88,086	.5	2.8
Graphics	1,017	4.5	1,405,281	7.6	38,105	.2	2.7
Crafts	2,396	10.5	3,168,921	17.1	236,916	1.3	7.5
Jewelry and metalwork	1,206	5.3	1,836,503	9.9	79,292	.4	4.3
Pottery and ceramics	2,905	12.8	4,024,612	21.7	224,431	1.2	5.6
Painting/drawing/design	3,390	14.9	4,382,844	23.6	244,448	1.3	5.6
Photography/filmmaking	1,125	4.9	1,599,297	8.6	71,869	.4	4.5
Sculpture	1,146	5.0	1,688,324	9.1	39,420	.2	2.3
10.Industrial Arts	18,466	81.2	16,689,162	89.8	5,726,138	30.8	34.3
General industrial arts, Grade 7-8	6,391	28.1	4,629,226	24.9	1,071,533	5.8	23.1
General industrial arts, 1st year	7,726	34.0	6,068,062	32.7	503,130	2.7	8.3
General industrial arts, 2d year	3,308	14.6	2,202,041	11.9	105,520	.6	4.8
General industrial arts, 3d/4th year	2,175	9.6	1,449,429	7.8	62,818	.3	4.3
Home mechanics	624	2.7	683,064	3.7	32,963	.2	4.8
Industrial arts for girls	370	1.6	283,373	1.5	16,911	.1	6.0
Exploratory industrial arts/career orientation	669	2.9	623,639	3.4	69,630	.4	11.2
Building and construction	1,254	5.5	1,264,237	6.8	63,860	.3	5.1
Carpentry/woodworking	1,387	6.1	1,277,139	6.9	46,354	.2	3.6
Woods, general, Grade 7-8	2,043	9.0	1,866,345	10.0	248,487	1.3	13.3
Woods, general, Grade 9-12	8,047	35.4	9,116,865	49.1	641,364	3.5	7.0
Crafts, Grade 7-8	608	2.7	463,031	2.5	67,088	.4	14.5
Crafts, Grade 9-12	1,297	5.7	1,282,868	6.9	94,983	.5	7.4
Jewelry/art metals	789	3.5	948,479	5.1	59,541	.3	6.3
Leather/textiles/upholstery	512	2.3	379,896	2.0	29,053	.2	7.6
Plastics	882	3.9	938,870	5.1	57,656	.3	6.1
Drafting/drawing, Grade 7-8	928	4.1	868,710	4.7	100,267	.5	11.5
Drafting/drawing, Grade 9-12	6,096	26.8	6,733,755	36.2	322,436	1.7	4.8
Drafting/drawing, other specialized drawing	1,739	7.6	2,371,910	12.8	54,489	.3	2.3
Drawing, mechanical, Grade 7-8	806	3.5	672,356	3.6	91,946	.5	13.7
Drawing, mechanical, Grade 9-12	5,129	22.6	5,551,584	29.9	271,648	1.5	4.9
Electricity/electronics	534	2.3	820,395	4.4	21,674	.1	2.6
Electricity, Grade 7-8	739	3.3	809,442	4.4	76,110	.4	9.4
Electricity, Grade 9-12	4,233	18.6	5,460,446	29.4	201,225	1.1	3.7
Graphic arts, Grade 7-8	593	2.6	720,857	3.9	66,794	.4	9.3
Graphic arts, Grade 9-12	2,256	9.9	3,303,257	17.8	127,805	.7	3.9
Photography	1,035	4.6	1,257,959	6.8	54,158	.3	4.3
Printing/photolithography/graphic communications	625	2.7	961,939	5.2	34,110	.2	3.5
Applied shop	337	1.5	388,432	2.0	30,792	.2	8.4
Industrial arts mathematics/science	552	2.4	725,683	3.9	28,441	.2	3.9
Manufacturing	470	2.1	569,450	3.1	44,967	.2	7.9
Industrial materials/technology/processes	540	2.4	728,887	3.9	33,778	.2	4.6
Metalworking, Grade 7-8	1,258	5.5	1,396,461	7.5	158,947	.9	11.4
Metalworking, Grade 9-12, and foundry	6,311	27.8	7,398,448	39.8	377,064	2.0	5.1
Welding	1,425	6.3	1,140,226	6.1	54,864	.3	4.8
Automotive mechanics	2,867	12.6	3,207,494	17.3	200,125	1.1	6.2
Power/automotive mechanics	1,220	5.4	1,631,147	8.8	76,661	.4	4.7
Power mechanics	2,188	9.6	2,358,198	12.7	126,946	.7	5.4

TABLE A.–PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73–*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
09.Home economics (courses)	19,495	85.8	16,898,899	91.0	4,651,535	25.0	27.5
Home economics, N.E.C.	1,370	6.0	1,605,034	8.6	93,891	.5	5.8
Home economics, Grade 7	5,931	26.1	4,423,830	23.8	661,976	3.6	15.0
Home economics, Grade 8	7,898	34.7	5,801,268	31.2	740,447	4.0	12.8
Home economics, 1st year	12,539	55.2	9,830,276	52.9	676,666	3.6	6.9
Home economics, 2d year	7,674	33.8	5,649,179	30.4	234,903	1.3	4.2
Home economics, 3d/4th year	5,575	24.5	3,895,201	21.0	150,807	.8	3.9
Home economics for boys	3,285	14.5	3,167,451	17.1	144,393	.3	4.6
Child development	3,859	17.0	4,665,367	25.1	180,477	1.0	3.9
Clothing and textiles, 1st year	6,201	27.3	7,395,882	39.8	332,587	1.8	4.5
Clothing and textiles, 2d year	3,585	15.8	4,659,588	25.1	125,499	.7	2.7
Clothing and textiles, 3d/4th year/advanced	2,350	10.3	3,056,482	16.5	94,917	.5	3.1
Consumer education	1,600	7.0	1,568,442	8.4	67,585	.4	4.3
Family relations	5,925	26.1	6,105,675	32.9	298,532	1.6	4.9
Nutrition	1,192	5.2	1,517,333	8.2	76,422	.4	5.0
Foods, 1st year	5,761	25.3	6,799,072	36.6	360,777	1.9	5.3
Foods, 2d year	2,966	13.0	3,764,837	20.3	129,171	.7	3.4
Foods, 3d/4th year	1,660	7.3	1,991,368	10.7	66,569	.4	3.3
Home management	1,720	7.6	2,052,449	11.0	61,757	.3	3.0
Housing and home furnishings	3,140	13.8	3,656,201	19.7	100,654	.5	2.8
Health and home nursing	976	4.3	1,291,497	7.0	53,505	.3	4.1
17.Trades and Industry (courses)	4,142	18.2	4,410,984	23.7	484,484	2.6	11.0
Trades and industry, N.E.C./other specified	269	1.2	297,294	1.6	18,679	.1	6.3
ICT (co-op)	283	1.2	342,940	1.8	17,521	.1	5.1
Graphic arts I/II/III/commercial art/photography	478	2.1	787,142	4.2	16,265	.1	2.1
Printing/lithography	306	1.3	449,317	2.4	11,270	.1	2.5
Textile/leather production/fabrication/maintenance	211	.9	274,665	1.5	8,168	–	3.0
Electricity, 1st year	932	4.1	1,145,171	6.2	27,222	.1	2.4
Electricity, 2d/3d/4th year/small engine repair	473	2.1	610,225	3.3	10,702	.1	1.8
Electronics, 1st year	852	3.7	1,169,658	6.3	21,295	.1	1.8
Electronics, 2d/3d/4th year	439	1.9	655,819	3.5	7,598	–	1.2
Body and fender mechanics, 1st/2d year	687	3.0	839,028	4.5	14,277	.1	1.7
Automotive mechanics, 1st/2d year/diesel	1,941	8.5	2,262,952	12.2	75,077	.4	3.3
Aviation and aircraft mechanics (airframe)	145	.6	188,905	1.0	8,827	–	4.7
Construction-maintenance trades/air conditioning	452	2.0	544,421	2.9	11,830	.1	2.2
Masonry	391	1.7	466,895	2.5	11,222	.1	2.4
Carpentry, 1st/2d year	1,012	4.5	1,077,165	5.8	25,747	.1	2.4
Woodworking, 1st year	682	3.0	757,956	4.1	37,416	.2	4.9
Woodworking, 2d/3d/4th year and cabinetmaking	600	2.6	684,421	3.7	19,157	.1	2.8
Drafting/mechanical drawing, 1st/2d year	329	1.4	513,716	2.8	15,251	.1	3.0
Machine shop	1,111	4.9	1,549,527	8.3	39,353	.2	2.5
Metalworking, 1st/2d/3d year and foundry	194	.9	341,879	1.8	10,433	.1	3.1
Sheet metal, 1st/2d year	289	1.3	381,208	2.1	9,454	.1	2.5
Welding and cutting, 1st/2d year	888	3.9	942,375	5.1	19,459	.1	2.1
Cosmetology, 1st/2d/3d year and barbering	797	3.5	1,069,620	5.8	21,096	.1	2.0
Cook-chef	389	1.7	465,537	2.5	9,246	–	2.0
Vocational group guidance/exploratory	270	1.2	330,538	1.8	17,918	.1	5.4
03.Business	18,371	80.8	15,927,514	85.7	6,506,182	35.0	40.8
Exploratory/general business	9,500	41.8	9,283,374	50.0	597,473	3.2	6.4
Accounting	2,151	9.5	2,641,797	14.2	100,476	.5	3.8

TABLE A.–PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES, 1972-73–*CONTINUED*

(U.S. TOTAL SECONDARY SCHOOLS = 22,737; U.S. TOTAL SECONDARY ENROLLMENT = 18,577,234)

SUBJECT AREA AND COURSE TITLE	Secondary Schools Offering Course		Secondary School Enrollment In Schools Offering Course		Course Enrollment, 1972-73		
	Number	As Percent Of U.S. Total	Number	As Percent Of U.S. Total	United States Total	As Percent Of U.S. Total Enrollment	Percent of Enrollment In Schools Offering Course
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
03.Business (continued)							
Bookkeeping I	10,727	47.2	9,279,242	49.9	476,305	2.6	5.1
Bookkeeping II/III/IV	3,072	13.5	3,863,716	20.8	64,611	.3	1.7
Recordkeeping	3,089	13.6	4,071,401	21.9	162,844	.9	4.0
Business arithmetic/mathematics	5,764	25.4	6,181,752	33.3	353,441	1.9	5.7
Business communication/correspondence	2,933	12.9	3,443,535	18.5	111,708	.6	3.2
Business law	6,344	27.9	7,456,168	40.1	229,946	1.2	3.1
Business machines, 1st/2d year	3,641	16.0	4,512,536	24.3	152,019	.8	3.4
Clerical practice/office work experience	4,153	18.3	4,889,698	26.3	161,014	.9	3.3
Computer operation/key punching/data processing	2,022	8.9	3,111,191	16.7	90,062	.5	2.9
Consumer economics	1,587	7.0	1,775,620	9.6	60,466	.3	3.4
Consum education	990	4.4	1,275,292	6.9	70,020	.4	5.5
Econom s/finance/business management	3,782	16.6	4,195,199	22.6	124,604	.7	3.0
Marketi g and distribution	834	3.7	1,218,940	6.6	38,117	.2	3.1
Retaili g/wholesaling	911	4.0	1,420,513	7.6	42,269	.2	3.0
Salesm anship	1,352	5.9	1,979,335	10.7	49,163	.3	2.5
Shor h nd for personal use	1,930	8.5	2,512,859	13.5	62,237	.3	2.5
Shor thand, 1st year	11,087	48.8	10,567,393	56.9	382,032	2.1	3.6
Shor nd, 2d year/advanced	5,841	25.7	7,056,115	38.0	122,304	.7	1.7
Secretarial practices	4,412	19.4	4,380,840	23.6	100,156	.5	2.3
Typewriting for personal use	5,768	25.4	6,488,807	34.9	515,382	2.8	7.9
Typewriting, 1st year	15,914	70.0	13,930,453	75.0	1,974,474	10.6	14.2
Typewriting, 2d/3d/4th year	10,160	44.7	9,627,244	51.8	465,259	2.5	4.8
01.Agriculture (courses)	5,300	23.3	3,472,780	18.7	374,622	2.0	10.8
Agriculture, Grades 7 and 8	638	2.8	373,636	2.0	28,391	.2	7.6
Agriculture, 1st year	4,627	20.4	2,881,553	15.5	140,512	.8	4.9
Agriculture, 2d year	3,789	16.7	2,297,530	12.4	79,285	.4	3.5
Agriculture, 3d/4th year	3,122	13.7	1,801,469	9.7	84,258	.5	4.7
Agricultural management/production/supplies	323	1.4	294,797	1.6	9,209	–	3.1
Agricultural mechanics/construction	513	2.3	354,002	1.9	14,272	.1	4.0
Ornamental horticulture	291	1.3	411,920	2.2	12,808	.1	3.1
Agricultural resources/conservation/forestry	182	.8	197,789	1.1	5,886	–	3.0
26.Bilingual Educ	84	.4	142,541	.8	9,126	–	6.4
Bilingual education, all subject areas	84	.4	142,541	.8	9,126	–	6.4

TABLE B.–COURSE ENROLLMENTS IN SUBJECT AREAS, AND THEIR PERCENTAGES OF TOTAL PUPILS ENROLLED IN GRADES 7 TO 12 OF PUBLIC SECONDARY SCHOOLS: UNITED STATES, 1948-49, 1960-61, AND 1972-73

Subject Area	1948-49		1960-61		1972-73	
	Number	Percent	Number	Percent	Number	Percent
Total Pupils, grades 7-12	6,907,833	100.0	11,732,742	100.0	18,577,234	100.0
English language arts	7,098,770	102.8	12,972,236	110.6	24,079,059	129.6
Health and physical education 1/	7,794,671	112.8	12,081,639	103.0	21,517,330	115.8
Social sciences	6,981,980	101.1	11,802,499	100.1	18,898,794	101.7
Mathematics	4,457,987	64.5	8,596,396	73.3	13,240,326	71.3
Natural sciences	4,031,044	58.4	7,739,877	66.0	12,475,429	67.2
Music	2,484,201	36.0	4,954,347	42.2	6,111,223	32.9
Business education 2/	3,186,207	46.1	4,667,570	39.8	6,376,633	34.2
Industrial arts	1,762,242	25.5	3,361,699	28.7	5,726,138	30.8
Home economics 2/	1,693,825	24.5	2,915,997	24.9	4,651,535	25.0
Foreign languages	1,234,544	17.9	2,576,354	22.0	4,510,947	24.3
Art	1,219,693	17.7	2,383,703	20.3	5,115,981	27.6
Agriculture 2/	373,395	5.4	507,992	4.3	374,622	2.2
Vocational trade and industrial education 2/	369,794	5.4	344,704	2.9	484,484	2.6
Distributive education 2/	(3/)	(3/)	38,363	.3	129,549	.7
Other 2/ 4/	111,053	1.6	106,467	.9	9,126	(5/)

1/ Includes driver education and ROTC.

2/ 1972-73 data include only individual courses. In addition to these courses, schools reported the following enrollment in programs which represent enrollment in 2 or more courses: office occupations (308,883), home economics (305,386), agriculture (241,171), trade and industrial occupations (486,522), distributive education (323,474), and other (343,132).

3/ Not reported separately in 1948-49.

4/ 1972-73 "other" represents only bilingual courses. Special education and interdisciplinary courses will be shown separately in the final report of this survey.

5/ Less than 0.1 percent.

NOTE.–Percentages exceed 100.0 because a pupil may be enrolled in more than one course within a subject area during the school year.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Subject Offerings and Enrollments in Public Secondary schools,* 1965.

Federal Security Agency, Office of Education, *Offerings and Enrollments in High-School Subjects, 1948-49,* 1951.

TABLE C.—NUMBER OF PUBLIC SCHOOL PUPILS IN GRADES 9 TO 12 ENROLLED IN SPECIFIED SUBJECT AREAS: UNITED STATES, SELECTED YEARS, 1890 TO 1973

COURSE TITLE OR SUBJECT AREA	ENROLLMENTS, SELECTED YEARS									
	1890	1900	1910-11	1915-16	1922-23	1928-29	1934-35	1948-49	1960-61	1972-73
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Total Enrollment[1]	201,963	519,251	739,143	1,165,495	2,155,460	2,896,630	4,496,514	5,399,452	8,219,276	13,438,263
English (regular 9-12)	–	199,803	422,051	680,871	1,652,232[2]	2,696,633	4,071,094	5,015,890	7,778,734	9,556,214
Journalism	–	–	–	–	2,224	6,639	31,246	100,147	136,671	322,686
Speech and public speaking	–	–	–	–	–	–	103,183	246,213	454,347	776,211
U.S. History	55,427	198,125	406,784	589,067	329,585	517,331	779,489	1,231,694	1,994,068	3,463,637
English History					61,766	25,203	21,913	1,043	1,011	4,426
Ancient History					371,392	301,794	304,025	192,847	197,068	96,488
Medieval/Modern History					330,836	327,313	278,236			140,010
World History	–	–	–	–	–	175,628	536,178	876,432	1,471,531	1,545,436
Civics and government	–	112,465	114,965	183,294	416,329	192,497	268,338	431,916	780,123	1,306,152
Community civics, Grade 9						387,910	465,954	[3]	732,609	448,896[3]
Geography	–	–	–	–	–	8,790	94,071	301,652	595,150	736,495
Problems of Democracy	–	–	–	–	–	30,200	156,707	282,971	380,453	298,157
Economics	–	–	–	–	103,540	147,035	221,874	254,770	293,175	592,012
Sociology	–	–	–	–	51,288	77,117	111,718	185,901	289,408	795,860
Psychology	–	12,368	7,109	13,626	18,786	29,669	15,025	46,547	140,377	590,370
Algebra	92,150	292,287	420,207	569,215	865,515	1,020,323	1,367,210	1,448,966	2,349,017	3,499,638
General mathematics	–	–	–	–	266,918	228,231	331,348	704,742	1,427,312	1,936,914
Geometry	43,294	142,235	228,170	309,383	488,825	573,668	767,171	693,280	1,133,021	1,500,174
Trigonometry	–	9,915	13,812	17,220	32,930	36,855	59,858	108,551	246,225	411,154
General science	–	–	–	–	393,885	507,038	798,227	1,121,980	1,826,087	1,096,020
Biology	–	–	7,883	80,403	189,288	393,391	656,693	995,930	1,776,306	2,868,352
Botany	–	–	116,497	106,520	82,241	46,062	41,075	7,670	4,996	47,188
Zoology	–	–	51,370	37,456	32,956	22,165	27,275	5,051	5,924	61,864
Physiology	–	142,401	113,252	110,541	109,519	77,650	81,632	53,592	85,953	109,588
Earth science	–	154,513	155,401	178,693	97,140	81,017	78,559	20,575	76,564	558,654
Chemistry	20,503	40,084	50,923	86,031	159,413	204,694	339,769	412,401	744,820	1,028,591
Physics	46,184	98,846	107,988	165,954	192,380	198,402	282,896	291,473	402,317	583,105
French	11,858	40,395	73,161	102,516	333,162	406,012	488,710	255,375	661,190	1,043,644
German	21,338	74,408	175,083	284,294	13,918	53,250	106,672	43,025	141,517	400,111
Italian	–	–	–	–	350	2,552	10,434	15,552	15,733	37,997
Latin	70,411	262,767	362,548	434,925	593,086	636,952	721,320	422,304	637,475	195,115
Russian	–	–	–	–	–	–	–	14	9,342	17,908
Spanish	–	–	4,920	31,743	242,715	273,564	280,329	443,995	806,827	1,715,294
Physical education	–	–	–	–	123,568	435,383	2,277,775	3,747,220[4]	6,061,376	12,102,888
Music	–	–	–	367,188	544,770	754,245	1,148,732	1,625,236[4]	2,302,900	3,305,820
Art	–	–	–	266,492	317,825	339,485	391,754	486,232[4]	1,589,140	2,534,565
Industrial arts	–	–	–	130,155	295,905	391,529	946,128	1,064,508	1,960,000	3,534,016
Vocational-industrial								369,794	344,704	486,864
General business training	–	–	–	–	–	86,629	276,672	279,577	461,794	538,228
Bookkeeping	–	–	–	39,816	270,517	310,232	446,463	472,163	630,714	682,936
Typewriting	–	–	–	–	281,524	439,379	749,315	1,216,142	1,902,592	2,715,855
Shorthand	–	–	–	–	191,901	251,631	404,237	421,635	550,321	532,419
Business law	–	–	–	–	19,611	76,434	144,342	130,585	167,101	224,953
Office practice	–	–	–	–	7,721	44,364	80,104	108,201	189,935	301,636
Home economics	–	–	27,933	150,276	307,553	477,503	751,807	1,304,846	1,901,128	3,237,882
Agriculture	–	–	34,418	83,573	110,242	106,086	159,763	364,185	507,992	583,012

[1] For the years 1910 to 1934 the figures represent the number of pupils enrolled in the last 4 years of all public secondary day schools that returned usable questionnaires. For 1890, 1900, 1949, and 1961 the figures represent the total number of pupils enrolled in the last 4 years of all public secondary day schools.

[2] Includes enrollment in composition and in literature.

[3] Comparable data for 1948-49 are not available.

[4] Enrollment in grades 9 to 12 estimated from the total. This estimation was necessary because the data for the subject did not fully identify Grades 9 to 12 enrollment apart from Grades 7 and 8.

NOTE.—When necessary, the subjects reported in previous surveys were analyzed, and appropriate components were either recombined, separately listed, or eliminated (with corresponding changes in the number enrolled) in a manner to yield as close comparability as possible with the data of the current (1972-73) survey.

APPENDIX A

TECHNICAL APPENDIX

Source of data. The purpose of the 1972-73 Survey of Public Secondary School Offerings, Enrollments, and Curriculum Practices was to obtain State-by-State and national estimates in the field of curriculum, determining the choice of courses available to pupils and the extent to which those pupils availed themselves of offerings in the approximately 23,000 public schools with grades 7 and above in the 50 States and the District of Columbia. The estimates appearing in this report are based upon the data collected from a sample of these schools.

The sample design was a one-stage stratified simple random sample wherein the schools were stratified by State, location, enrollment size, and school grade as shown below.

A. Location:

a. Large-city schools—schools located in cities having a 1970 census population over 200,000.
b. Other schools—schools located outside the large cities.

B. Enrollment size:

a. 1,500 or greater
b. 1,000-1,499
c. 500- 999
d. 300- 499
e. 100- 299
f. Under 100

C. School grade:

a. Junior high—schools having grades 7, 7-8, 7-9, 8 or 8-9.
b. Senior high—schools having grades 9, 9-10, 9-11, 9-12, 10, 10-11, 10-12, 11, 11-12 or 12.
c. Combined—schools having grades 7-10, 7-11, 7-12, 8-10, 8-11 or 8-12.

The sample was selected from the National Center for Education Statistics' 1971-72 universe of public elementary and secondary day schools, the most recent base available at the time of selection.

The size of the sample for a given State was tentatively determined as the number of schools that would be required from all secondary schools in the State for a simple random sample on the premise that the probability was 0.50 that a school would have a given course with a relative error of 0.125 at the 2 sigma level. This sample size was allocated among the different strata on the basis of (1) the proportion of the enrollment in the stratum and of (2) the number of schools in the stratum. Using the larger of the two numbers in the stratum that was generated by these two allocation procedures, a new State sample size was determined. The purpose of this method was to increase the sampling rate for the smaller schools. In the 1,500 or greater enrollment stratum, all schools, whose enrollment was greater than the total enrollment in the stratum divided by the number of sampled schools in the stratum, were selected with certainty.

Except for those schools that were selected with certainty because of size, the sample in each stratum was machine selected through the use of a random number generator program.

Survey Procedure. In early March, 1973, 8,489 survey instruments were mailed out with a due date of March 31, 1973. Mailout of the forms was conducted using three basic formats: mailing of the forms to the 29 SEA's (State education agencies) under contract to perform the data gathering and preliminary editing of the forms; direct mailing of the forms to the LEA's (Local education agencies); and mailing of the forms to SEA's or individual LEA's in States not under contract to the Office of Education.

Where applicable, two follow-up letters, a certified letter and a final telephone interview were used to the State coordinators, the LEA's or to the individual schools in order to achieve the survey's overall 95.8-percent response rate.

Manual and machine editing of the forms were used to check the data for accuracy, consistency and presence-absence items. For those items that involved the omission of key data, inconsistencies in reporting or undecipherable information, clarifications were obtained from the respondents at either the State or school level, depending upon the preference of the State department of education. The estimating procedure used in this survey involved the inflation of the data from a sampled school by the inverse of the school's probabil-

Table A-1. Number of schools in the universe (N), in the sample (n), responding to the sample (n') and the response rate (n'/n), by school grade and enrollment size in all locations

School grade 1/		Total	Enrollment size					
			1,500 & over	1,000-1,499	500-999	300-499	100-299	Under 100
Junior high	N	7,398	385	1,487	3,440	1,030	857	199
	n	2,509	183	635	1,208	272	172	39
	n'	2,421	179	619	1,167	262	162	32
	n'/n	.965	.978	.975	.966	.963	.942	.821
Senior high	N	10,987	2,480	1,758	2,658	1,380	1,809	902
	n	4,321	1,484	836	959	394	431	215
	n'	4,150	1,442	818	919	369	408	194
	n'/n	.960	.972	.976	.958	.937	.947	.902
Combined	N	4,352	193	370	1,090	932	1,428	339
	n	1,363	136	171	377	264	336	79
	n'	1,279	131	166	354	249	306	73
	n'/n	.938	.963	.971	.939	.943	.911	.924
Total	N	22,737	3,058	3,615	7,188	3,342	4,094	1,440
	n	8,193	1,803	1,644	2,544	930	939	333
	n'	7,850	1,752	1,603	2,440	880	876	299
	n'/n	.958	.972	.975	.959	.946	.933	.898

1 Junior high—schools having grades 7, 7-8, 7-9, 8 or 8-9.
Senior high—schools having grades 9, 9-10, 9-11, 9-12, 10, 10-11, 10-12, 11, 11-12 or 12.
Combined—schools having grades 7-10, 7-11, 7-12, 8-10, 8-11 or 8-12.

ity of selection in the 1972-73 universe of public elementary and secondary day schools. In order to account for the nonresponding schools in the stratum, the weights assigned to the responding schools [in the stratum] were increased accordingly. It is noted that in this more current universe there were 22,737 schools that met the specifications of this survey.

Of the 8,489 schools that were in the original sample, 296 or 3.5 percent were found to be ineligible due to such factors as grade span changes and the closing of schools from the previous year.

Table A-1 shows the number of schools in the 1972-73 universe meeting the survey's specifications, the number of schools in the sample after adjustments had been made to account for enrollment and grade changes between the 1971-72 and the 1972-73 school years, the number of schools that responded, and the response ratio. Tables A-2 and A-3 show similar information for schools in large cities and for schools outside large cities, respectively.

Reliability of the estimates. Since the estimates in this report are based on a sample, they differ somewhat from the figures that would have been obtained from a complete census, using the same schedules, instructions, and procedures. Particular care should be exercised in the interpretation of figures based on a relatively small number of cases as well as small differences between figures. As in any survey work, the results are subject to errors of response and nonreporting as well as being subject to sampling variability.

The standard error is primarily a measure of sampling variability, that is, of the variations that occur by chance because a sample rather than the whole of the population is surveyed. As calculated for this report, the standard error also partially measures the effect of certain response and processing errors, but it does not measure any systematic biases in the data. The chances are 68 out of 100 that an estimate from a sample would differ from a complete census figure by less than the standard error. The changes are about 95 out of 100 that the difference would be less than twice the standard error.

Table A-2. Number of schools in the universe (N), in the sample (n), responding to the sample (n') and the response rate (n'/n) by school grade and enrollment size; located in large cities

School grade 1/		Total	Enrollment size					
			1,500 & over	1,000-1,499	500-999	300-499	100-299	Under 100
Junior high	N	1,282	191	453	504	68	47	19
	n	519	89	199	193	28	7	3
	n'	500	87	195	182	26	7	3
	n'/n	.963	.978	.980	.943	.929	1.000	1.000
Senior high	N	1,159	732	205	145	34	31	12
	n	678	478	112	54	16	13	5
	n'	660	469	107	51	15	13	5
	n'/n	.973	.981	.955	.944	.938	1.000	1.000
Combined	N	184	62	49	25	12	21	15
	n	112	51	32	9	8	5	7
	n'	102	48	31	8	7	2	6
	n'/n	.911	.941	.969	.989	.875	.400	.857
Total	N	2,625	985	707	674	114	99	46
	n	1,309	618	343	256	52	25	15
	n'	1,262	604	333	241	48	22	14
	n'/n	.964	.977	.971	.941	.923	.880	.933

1 Junior high—schools having grades 7, 7-8, 7-9, 8 or 8-9.
Senior high—schools having grades 9, 9-10, 9-11, 9-12, 10, 10-11, 10-12, 11, 11-12 or 12.
Combined—schools having grades 7-10, 7-11, 7-12, 8-10, 8-11 or 8-12.

The figures presented in tables A-4 through A-7 are approximations to standard errors of various estimates shown in this report. In order to derive standard errors that would be applicable to a wide variety of items and could be prepared at a moderate cost, a number of approximations were required. As a result, the tables of standard errors provided are an indication of the order of magnitude rather than the precise standard error for any specific item.

Table A-4 contains the standard errors of estimates of the number of students enrolled in specific courses and estimates of the enrollment in the schools offering the course. Table A-5 contains the standard errors of the estimated number of schools offering specific courses. Linear interpolation in these tables may be used to obtain the standard errors for intermediate values not shown.

The reliability of an estimated percentage, computed by using sample data for both the numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerators of the percentages, particularly if the percent is large (50 percent or greater). Although percentage distributions are shown in this report where the base of the percentage for enrollment is less than 25,000 and the base for the number of schools is less than 200, there is little chance that, because of the large standard errors involved, they would reveal useful information. Although standard errors are not provided here these smaller estimates are furnished primarily to permit such combinations of the courses as serve each user's needs.

Table A-6 shows the standard errors of the estimated percentages of enrollment. Table A-7 shows the estimated percentages of schools. Linear interpolation in these tables may be used to obtain standard errors for intermediate values not shown.

Illustration of the use of tables of standard errors of numbers. Table A of this report shows that there were 2,114,681 students enrolled in English, Grade 7. Table

Table A-3. Number of schools in the universe (N), in the sample (n), responding to the sample (n') and the response rate (n'/n) by school grade and enrollment size; in locations outside large cities

School grade 1/		Total	Enrollment size					
			1,500 & over	1,000-1,499	500-999	300-499	100-299	Under 100
Junior high	N	6,116	194	1,034	2,936	962	810	180
	n	1,990	94	436	1,015	244	165	36
	n'	1,921	92	424	985	236	155	29
	n'/n	.965	.979	.972	.970	.967	.939	.806
Senior high	N	9,828	1,748	1,553	2,513	1,346	1,778	890
	n	3,643	1,006	726	905	378	418	210
	n'	3,490	973	711	868	354	395	189
	n'/n	.958	.967	.979	.959	.937	.945	.900
Combined	N	4,168	131	321	1,065	920	1,407	324
	n	1,251	85	139	368	256	331	72
	n'	1,177	83	135	346	242	304	67
	n'/n	.941	.976	.971	.940	.945	.918	.931
Total	N	20,112	2,073	2,908	6,514	3,228	3,995	1,394
	n	6,884	1,185	1,301	2,288	878	914	318
	n'	6,558	1,148	1,270	2,199	832	854	285
	n'/n	.957	.969	.976	.961	.948	.934	.896

[1] Junior high—schools having grades 7, 7-8, 7-9, 8 or 8-9.
Senior high—schools having grades 9, 9-10, 9-11, 9-12, 10, 10-11, 10-12, 11, 11-12 or 12.
Combined—schools having grades 7-10, 7-11, 7-12, 8-10, 8-11 or 8-12.

A-4 shows the standard error on an estimate this size to be approximately 16,303. The chances are 68 out of 100 that the estimate would have been a figure differing from a complete census figure by less than 16,303. The chances are 95 out of 100 that the estimate would have differed from a complete census figure by less than 32,606 (twice the standard error).

Illustration of the use of the tables of standard errors of percentages. Table A of this report shows that an estimated 10.2 percent of all students enrolled in the schools offering the course "Literature, Eastern/Western/World" were enrolled in this course. Since the base of this percentage is 3,877,713, interpolation in table A-6 shows that the standard error of the estimated 10.2 percent is approximately 0.3 percent. The chances are 68 out of 100 that the estimate would have shown a figure differing from a complete census by less than 0.6 percent. That is, this 95 percent confidence interval would range from 9.6 to 10.8 percent.

Difference between two sample estimates. For a difference between two sample estimates, the standard error is approximately equal to the square root of the sum of the squares of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between two estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will over-estimate the true standard error. All statements of comparison appearing in the text are significant at a 1.6 standard error level or better. Most are significant at a level of more than 2.0 standard errors. Thus for most differences cited in the text, the estimated difference is greater than twice the standard error of the difference. Statements of comparison qualified in some way (e.g., by use of the phrase "some evidence") have a level of significance between 1.6 and 2.0 standard errors.

Table A-4. Standard errors of estimated enrollments (68 chances out of 100)

Size of estimate	Standard error
1,000	748
5,000	1,432
10,000	1,871
25,000	2,738
50,000	3,640
75,000	4,373
100,000	4,795
250,000	6,708
500,000	8,940
750,000	10,605
1,000,000	11,830
5,000,000	29,580
10,000,000	43,580
15,000,000	60,000
20,000,000	76,200

Table A-5. Standard errors of estimated numbers of schools (68 chances out of 100)

Size of estimate	Standard error
50	13
100	17
200	22
500	32
1,000	41
5,000	77
10,000	100
15,000	114
20,000	126
25,000	139

Table A-6. Standard errors of estimated percentages of enrollments (68 chances out of 100)

Estimated percentage	Base of estimated percentage (thousands)											
	25	50	75	100	250	500	750	1,000	5,000	10,000	15,000	20,000
2 or 98	2.0	1.5	1.2	1.0	0.6	0.4	0.3	0.2	0.1	0.06	0.05	0.04
5 or 95	3.3	2.1	1.7	1.4	0.8	0.5	0.4	0.4	0.1	0.09	0.07	0.06
10 or 90	4.1	2.8	2.2	1.8	1.1	0.7	0.6	0.5	0.2	0.1	0.09	0.08
25 or 75	5.7	3.7	2.8	2.5	1.4	0.9	0.7	0.6	0.2	0.2	0.1	0.1
50	6.1	4.1	3.1	2.7	1.6	1.0	0.8	0.7	0.3	0.2	0.1	0.1

Table A-7. Standard errors of estimated percentages of numbers of schools (68 chances out of 100)

Estimated percentage	Base of estimated percentage							
	200	500	1,000	5,000	10,000	15,000	20,000	25,000
2 or 98	2.5	1.4	0.9	0.3	0.2	0.2	0.1	0.1
5 or 95	3.5	2.0	1.3	0.5	0.3	0.2	0.2	0.2
10 or 90	4.6	2.6	1.7	0.6	0.4	0.3	0.3	0.2
25 or 75	6.0	3.4	2.2	0.8	0.5	0.4	0.4	0.3
50	6.6	3.7	2.4	0.9	0.6	0.4	0.4	0.3

(Please DO NOT use typewriter. Use pen or pencil in responding)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
OFFICE OF EDUCATION
WASHINGTON, D.C. 20202

ELEMENTARY-SECONDARY GENERAL INFORMATION SYSTEM *(ELSEGIS V)*

PART B-4, SURVEY OF PUBLIC SECONDARY SCHOOL OFFERINGS, ENROLLMENTS, AND CURRICULUM PRACTICES, 1972-73

THIS SURVEY IS BEING CONDUCTED BY THE

U.S. Office of Education
National Center for Educational Statistics
Elementary and Secondary Surveys Branch
Washington, D.C. 20202

O.M.B. NO. 51-671037
APPROVAL EXPIRES: 6/30/73

OE SCHOOL CODE *(copy from address label)*

DATE DUE
NOT LATER THAN MARCH 31, 1973

NAME AND ADDRESS OF SCHOOL *(Make any needed corrections below, including ZIP code)*

PURPOSE OF THE SURVEY

This questionnaire is intended to find out what courses and programs are being offered in grades 7 through 12 in secondary schools of the United States and how many pupils are participating in each. In addition, we hope to learn of current trends in the presentation of subject matter and changes in teaching techniques since the last comparable studies were conducted some 12 years ago.

NOTE: Please read instructions carefully before completing this form.

PART I. SCHOOL DATA, 1972-73 SCHOOL YEAR

1. ENCIRCLE EACH GRADE INCLUDED IN YOUR SCHOOL

	PK	K	1	2	3	4	5	6	7	8	9	10	11	12
00001	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

2. WRITE IN THE TOTAL ENROLLMENT IN EACH OF THE **SECONDARY** LEVEL GRADES IN YOUR SCHOOL, ON OR ABOUT FEBRUARY 1, 1973. DO NOT DUPLICATE THE DATA IN ANY OF THE CELLS. ENTER A "0" FOR ANY GRADE WITH NO ENROLLMENT THIS SCHOOL YEAR.

	GRADE						UNGRADED		POST GRADUATE
	7	8	9	10	11	12	HANDICAPPED	OTHER THAN HANDICAPPED	
00002	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)

3. WHICH OF THE FOLLOWING TEACHING TECHNIQUES ARE IN USE IN YOUR SCHOOL IN GRADES 7–12? *(Check all that apply and indicate subject areas.)*

FOR OE USE ONLY (03)		TEACHING TECHNIQUES	IN USE	SUBJECT AREAS
00003		A. TEAM TEACHING		
00004		B. USE OF TEACHER AIDES		
00005		C. INDEPENDENT STUDY/RESEARCH		
00006		D. LARGE AND SMALL GROUP INSTRUCTION		
00007		E. TEACHING MACHINES AND OTHER PROGRAMMED INSTRUCTION		
00008		F. OTHER *(Specify)*		

INSTRUCTIONS AND DEFINITIONS

In this survey, ENROLLMENT means the number of pupils who would be in a class on a given day in February 1973 if all pupils were present.

SUBJECT AREA is a broad classification of knowledge traditionally used by schools, such as: Mathematics, Social Sciences, Art, etc. These are preceded by two-digit OE Code Numbers in Part II, which are based on the coding system used in Handbook VI, State Educational Reports Series, **Standard Terminology for Curriculum and Instruction in Local and State School Systems.**

NOTE: The numbering below is keyed to the questions on the left.

3A. TEAM TEACHING refers to classroom instruction involving two or more teachers who are jointly responsible for planning, instructing, and evaluating a given group of pupils.

3B. TEACHER AIDES are paid staff members performing activities of a nonteaching nature which are NOT classified as professional educational *(score tests, prepare audiovisual materials, assume monitorial responsibilities, perform clerical tasks, read themes, etc.).*

3C. INDEPENDENT STUDY/RESEARCH provides specified periods for pupils to work on individual projects under the general management of a teacher-adviser rather than attending regular classes. In some cases this may involve a formal contract or agreement.

3D. In LARGE AND SMALL GROUP INSTRUCTION, large groups of students attend regularly scheduled instruction (lecture, TV), then meet one or more times in small-group discussions and other more individualized activities.

3E. TEACHING MACHINES AND OTHER PROGRAMMED INSTRUCTION refers to workbooks, textbooks, or mechanical devices programmed to help pupils attain a specified level of performance while progressing at their own pace. The term includes computer-assisted instruction and individually programmed instruction.

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APPENDIX B: REPRODUCTION OF SURVEY FORM

PART I—Continued

OE SCHOOL CODE *(copy from page 1)*

4. WHAT SYSTEM ARE YOU USING FOR SCHEDULING CLASSES THIS YEAR?

00020

- *(03)* ☐ UNIFORM CLASS PERIODS EACH WEEK
- *(04)* ☐ ROTATING WEEKLY SCHEDULE
- *(05)* ☐ INTERCHANGING SCHEDULES IN ALTERNATE WEEKS
- *(06)* ☐ FLEXIBLE/MODULAR SCHEDULING
- *(07)* ☐ OTHER *(Specify)*

4(04). In a ROTATING WEEKLY SCHEDULE, the time at which each course is scheduled usually varies with the day of the week. Thus, if on Monday, the order of classes is English, Social Studies, Art, Mathematics, Health, and Physical Education, the Tuesday sequence may begin with Social Studies and end with English, the Wednesday sequence may begin with Art and end with Social Studies, etc.

4(06). In modular scheduling, the day is divided into modules of 15 to 40 minutes, with single or multiple modules for specified activities at the different levels or for individual students. FLEXIBLE/MODULAR SCHEDULING reflects the use of class periods of varying lengths to meet specific needs.

5. AS PART OF YOUR SCHOOL CURRICULUM, DO YOU MAKE USE OF ANY OF THE FOLLOWING FOR PARTICULAR GROUPS OF PUPILS?

00030

- *(03)* ☐ FIELD TRIPS
- *(04)* ☐ USE OF OUTSIDE SPECIALISTS AVAILABLE IN THE AREA FOR CLASS PRESENTATIONS
- *(05)* ☐ USE OF CLOSED CIRCUIT TELEVISION
- *(06)* ☐ PROFESSIONAL THEATRICAL OR MUSICAL PRESENTATIONS IN THE SCHOOL
- *(07)* ☐ INDIVIDUAL COUNSELING
- *(08)* ☐ SEMINARS FOR SMALL GROUPS PARTICULARLY INTERESTED IN AN AREA OF STUDY
- *(09)* ☐ COMMUNITY PARTICIPATION IN PLANNING AND/OR PRESENTING CLASS PROGRAMS
- *(10)* ☐ SPECIALIZED GUIDANCE FOR NONPROFESSIONAL CAREER EDUCATION

00031

- *(03)* ☐ STUDENT PARTICIPATION IN PLANNING CLASS ACTIVITIES
- *(04)* ☐ SPECIAL SUMMER SCHOOL COURSE OFFERINGS FOR ENRICHMENT OF SCHOOL-YEAR PROGRAM
- *(05)* ☐ EARLY ENTRANCE INTO COLLEGE
- *(06)* ☐ COMPUTER ACCESS FOR PUPILS IN MATHEMATICS CLASSES
- *(07)* ☐ COMPUTER ACCESS FOR PUPILS WORKING IN AREAS OTHER THAN MATHEMATICS
- *(08)* ☐ SPECIALIZED TUTORING FOR GIFTED STUDENTS
- *(09)* ☐ SPECIALIZED TUTORING FOR DISADVANTAGED STUDENTS
- *(10)* ☐ PERMIT 7TH OR 8TH GRADERS TO TAKE COURSES USUALLY TAUGHT IN GRADES 9–12
- *(11)* ☐ NONE OF THE ABOVE
- *(12)* ☐

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PART I—Continued

OE SCHOOL CODE *(copy from page 1)*

6. DOES THIS SCHOOL HAVE A **CORE** OR **BLOCK TIME** PROGRAM? *(Check ONE)*
1 ☐ YES 2 ☐ NO

(If YES, enter the following information for each grade to which it is applicable) If more lines are needed, add on extra sheet.

	FOR OE USE ONLY	GRADE LEVEL *(12)*	COURSES COMBINED IN CORE *(Please list each grade level on a separate line)*	NUMBER OF PUPILS ENROLLED *(Not to be duplicated in Part II)* *(13)*	MINUTES PER DAY FOR CORE PROGRAM *(14)*
00032					Min.
00033					Min.
00034					Min.

6. A CORE PROGRAM or a BLOCK TIME PROGRAM is an integrated program of classes meeting for a block of time equal to two or more periods and combining or replacing required courses that would otherwise be taught separately. Characteristically, core includes all pupils at a particular level, is guidance-oriented, is problem-oriented *(with open-ended problems)*, ignores subject-area lines, and involves pupil-teacher planning within prescribed guidelines. Frequent combinations in core are English, Social Studies, and Orientation in junior high school years.

Data reported for core programs in this item should not be repeated in Part II of this form.

Before going on to Part II of this form, please review Part III, Enrollment of Pupils in Occupational Programs *(page 16)*, to insure that you DO NOT DUPLICATE ENROLLMENT in the two sections. Part II is concerned with those individual courses for which a pupil may register in accordance with the general program of studies *(curriculum)* which he is following. Part III is concerned only with organized clusters or combinations of courses specifically designed for those pupils declaring their intentions to enter recognized nonprofessional careers or occupations such as those described in the State Plan for Vocational and Technical Education. The enrollment of such pupils in occupational programs is to be reported only in Part III.

EXAMPLE: If a student is involved in an organized Typing and Related Occupations Program he would be counted in Part III. If Typewriting I forms an integral unit of this program, he WOULD NOT be counted in the Typewriting I course in Part II of the form; however, he would be counted in those individual courses which are not a part of his specific occupational program *(English grade 11, American History, etc.)*. The specific course enrollment *(First Year Shorthand or Record Keeping)* of a pupil in a general or college preparatory curriculum WOULD be counted in Part II exclusively.

PART II. ENROLLMENT OF PUPILS BY COURSE, GRADES 7 TO 12, 1972-73 SCHOOL YEAR

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING TO FILL IN THIS PART OF THE FORM.

Exclude data for grades below 7 or above 12, even though they may be part of your secondary school. Include college-level courses, if any, taught in grade 12 or below.

Report data for all courses for which credit and/or grades *(including pass-fail)* are given, but do not report on extraclass or cocurricular activities. EXTRACLASS OR COCURRICULAR activities are school-sponsored activities designed to provide opportunities for pupils to broaden their experience but not requiring participation nor awarding credit.

Data for CORE programs should be omitted here, but entered in Part I, item 6.

Before making any entry in each area of study, examine all courses on the basic list as well as the supplementary list, so that your response most accurately represents the course enrollments in your school, e.g., if you have four sections of elementary algebra, with two following the traditional course and two taking the SMSG course, the enrollment for each type should be reported separately. If this form does not contain a course you offer or if you are not entirely satisfied that similar content is covered by the title printed on the basic list, refer to the supplementary list of course titles printed below each subject area and the OE codes accompanying them. Please use these codes when entering your additional courses, recording both the title and the OE Code Number. If the course you offer does not fit any coded subject title, enter the name you use in the blank space under the appropriate subject area. DO NOT CROSS OUT OR CHANGE any course title printed on the form; if it does not fit your situation, leave it blank and follow the instructions above.

Additional titles for which there is not sufficient space in the particular subject area may be written in the section for "other courses" provided at the end of Part II, page 14. When reporting courses in this section, be certain to include the 2-digit subject area code along with the 6-digit OE course code.

Report course enrollments in the subject area giving the course in your school.

Special education courses for the handicapped *(special English, special reading, special science, etc.)* should be reported in subject area 19 on page 14. Vocational and avocational training programs for the handicapped should be reported in Part III, page 18.

For purposes of this survey, COOPERATIVE EDUCATION should not be entered as a separate course, but should be reported under the single course title most closely describing the subject matter covered.

For INTERDISCIPLINARY courses involving two or more subject areas, enter data in area 23 at the end of the individual subject area listings, page 14. Such courses involve the coordination of two or more subject specialists.

Make sure you include data for courses which your pupils are taking at vocational, technical, or other specialized centers. The enrollment in such courses not taught at your school should be preceded by an asterisk (*). If your school receives pupils from other schools for specified courses only, their enrollment SHOULD NOT BE COUNTED by your school.

ENROLLMENT

Report enrollments for the 1972-73 school year in column 4. Course enrollment should be reported as of a date when classes have achieved enrollment stability, usually sometime in February for the spring term.

Add together the pupils enrolled in all CLASSES taught in each course and report the total enrollment in that course only once, being careful not to duplicate enrollments between Parts II and III of this form. The presence of each pupil in each class should be reported only once. *(For purposes of this survey, the Classroom and Practice Driving phases of driver education should be considered as two separate courses.)*

For full-year courses, report the enrollment as of February 1, 1973. For shorter courses offered more than once during the school year, total the enrollments for each of the sessions, including the current session, and enter the sum in column 4. For courses shorter than a full year, offered only once during the school term, enter the total course enrollment for the one session.

NOTE: This questionnaire requests data on complete courses only, not units within a single course.

GRADE PLACEMENT

In responding to column 5, enter the grade level for which the course is designed and which represents most of the pupils enrolled in the particular course. For courses open to any pupil without regard to grade or prerequisite, enter "U" for ungraded in this space. If the course is restricted to lower-level *(grade 7 to grade 8 or 9)* or upper-level *(grade 9 or 10 to grade 12)* pupils, it should not be listed as "U", but should show the range of grades involved.

LENGTH OF COURSE

Enter in column 6 the length of each course in terms of weeks.

Enrollment in any course, such as Plane Geometry, for example, which may be offered to some pupils for 36 weeks and others for 18 weeks, should be entered as two courses, one on the line preprinted with the OE course code and title, and the other as a write-in, with the same code and title entered on one of the blank lines on the form, but showing the different duration.

FOR COURSES SHORTER THAN ONE YEAR, ADD TOGETHER THE ENROLLMENT FOR EACH SESSION AND REPORT ONLY THE TOTAL

OE SCHOOL CODE (copy from page 1)

PART II—Continued

OE CODE NUMBER	COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2		3	4	5	6
	Be certain to accurately record enrollment for all courses offered by your school. Do NOT duplicate any enrollment by reporting units within a single course.					
	05. ENGLISH LANGUAGE ARTS					
000001	ENGLISH	GRADE 7	01001			
000002		GRADE 8	01002			
000003		GRADE 9	01003			
000004		GRADE 10	01004			
000005		GRADE 11	01005			
000006		GRADE 12	01006			
000099		COLLEGE LEVEL	01007			
000013		REMEDIAL	01008			
000007		SEMINAR	01009			
			01010			
			01011			
			01012			
030100	LITERATURE	AMERICAN	01026			
030400		ENGLISH	01027			
030600		WORLD	01028			
030800		BLACK	01029			
030900		20th CENTURY (modern)	01030			
			01031			
			01032			
010103	READING	DEVELOPMENTAL	01091			
010100		GENERAL	01092			
010105		REMEDIAL	01093			
			01094			
			01095			
040000	WRITING	COMPOSITION	01101			
040203		CREATIVE WRITING	01102			
040300		JOURNALISM	01103			
			01104			
			01105			
560102	DEBATE/FORENSICS		01120			
060200	DRAMATIC LITERATURE		01121			
080001	INTRODUCTION TO THEATRE/DRAMA		01122			
070000	LIBRARY & MEDIA PRACTICES		01123			

OE CODE NUMBER	COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2		3	4	5	6
	05. ENGLISH LANGUAGE ARTS—*Con.*					
020000	LINGUISTICS		01124			
050110	SPEECH & PUBLIC SPEAKING I		01125			
080800	THEATRE HISTORY		01126			
			01127			
			01128			
			01129			
			01130			
			01131			

LIST OF SUPPLEMENTARY CODES FOR ENGLISH LANGUAGE ARTS

060160	Acting	050107	Parliamentary Procedure
040001	Advanced Composition	034000	Poetry
030200	Bible Literature	050403	Radio/TV/Film
060300	Creative Dramatics	030700	Religious Literature
010000	English Fundamentals	033901	Short Story
000012	English Workshop	050120	Speech & Public Speaking II
000098	Independent Study	010300	Spelling
050400	Mass Communication	060600	Stagecraft/Design
036800	Mythology	060700	Theatre Criticism
034100	Novel	060400	Theatre Production
050200	Oral Interpretation of Literature		

OE CODE NUMBER	COURSE TITLE			LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2			3	4	5	6
	06. FOREIGN LANGUAGES						
022400	GENERAL FOREIGN LANGUAGE			02001			
020700	ENGLISH AS A FOREIGN LANGUAGE			02002			
010611	LATIN	GRADE 7		02010			
010612		GRADE 8		02011			
010613		GRADES 9-12	1ST YEAR	02012			
010614			2D YEAR	02013			
010615			3D YEAR	02014			
010616			4TH YEAR	02015			
				02016			
				02017			
020811	FRENCH	GRADE 7		02020			
020812		GRADE 8		02021			
020813		GRADES 9-12	1ST YEAR	02022			
020814			2D YEAR	02023			
020815			3D YEAR	02024			
020816			4TH YEAR	02025			
				02026			
				02027			

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PART II—Continued

OE SCHOOL CODE (copy from page 1)

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (in weeks)
1	2	3	4	5	6
06. FOREIGN LANGUAGES—Con.					
020911	GERMAN — GRADE 7	02030			
020912	GERMAN — GRADE 8	02031			
020913	GERMAN — GRADES 9-12 — 1ST YEAR	02032			
020914	GERMAN — GRADES 9-12 — 2D YEAR	02033			
020915	GERMAN — GRADES 9-12 — 3D YEAR	02034			
020916	GERMAN — GRADES 9-12 — 4TH YEAR	02035			
	GERMAN	02036			
	GERMAN	02037			
021313	ITALIAN — GRADES 9-12 — 1ST YEAR	02042			
021314	ITALIAN — GRADES 9-12 — 2D YEAR	02043			
	ITALIAN	02044			
	ITALIAN	02045			
021813	RUSSIAN — GRADES 9-12 — 1ST YEAR	02062			
021814	RUSSIAN — GRADES 9-12 — 2D YEAR	02063			
	RUSSIAN	02064			
	RUSSIAN	02065			
021911	SPANISH — GRADE 7	02080			
021912	SPANISH — GRADE 8	02081			
021913	SPANISH — GRADES 9-12 — 1ST YEAR	02082			
021914	SPANISH — GRADES 9-12 — 2D YEAR	02083			
021915	SPANISH — GRADES 9-12 — 3D YEAR	02084			
021916	SPANISH — GRADES 9-12 — 4TH YEAR	02085			
	SPANISH	02086			
	SPANISH	02087			
	SPANISH	02088			
	SPANISH	02089			

LIST OF SUPPLEMENTARY CODES FOR FOREIGN LANGUAGES

010517	Latin—5th year	021311	Italian—Grade 7
010518	Latin—6th year	021312	Italian—Grade 8
010519	Latin—College-level	021315	Italian—3d year
020817	French—5th year	021316	Italian—4th year
020818	French—6th year	021317	Italian—5th year
020819	French—College-level	021318	Italian—6th year
020917	German—5th year	021319	Italian—College-level
020918	German—6th year	021811	Russian—Grade 7
020919	German—College-level	021812	Russian—Grade 8
021917	Spanish—5th year	021815	Russian—3d year
021918	Spanish—6th year	021816	Russian—4th year
021919	Spanish—College-level	021817	Russian—5th year

LIST OF SUPPLEMENTARY CODES FOR FOREIGN LANGUAGES—Con.

021818	Russian—6th year	021213	Hebrew *(modern)*—1st year
021819	Russian—College-level	021214	Hebrew *(modern)*—2d year
020113	Arabic—1st year	022613	Hungarian—1st year
020114	Arabic—2d year	022614	Hungarian—2d year
020313	Chinese—1st year	021413	Japanese—1st year
020314	Chinese—2d year	021414	Japanese—2nd year
020513	Czech—1st year	021613	Polish—1st year
020514	Czech—2d year	021614	Polish—2d year
010313	Greek *(classical)*—1st year	021713	Portuguese—1st year
010314	Greek *(classical)*—2d year	021714	Portuguese—2d year
021113	Hawaiian—1st year	021715	Portuguese—3d year
021114	Hawaiian—2d year	021716	Portuguese—4th year
010413	Hebrew *(classical)*—1st year	022113	Swahili—1st year
010414	Hebrew *(classical)*—2d year	022114	Swahili—2d year
010415	Hebrew *(classical)*—3d year	022013	Swedish—1st year
010416	Hebrew *(classical)*—4th year	022014	Swedish—2d year

Before making an entry, examine all courses carefully so that your response most accurately represents enrollment in each course you offer.

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (in weeks)
1	2	3	4	5	6
15. SOCIAL SCIENCES					
080501	HISTORY — U.S. — GRADE 7–8	03001			
080502	HISTORY — U.S. — GRADE 9–12	03002			
080601	HISTORY — WORLD — GRADE 7–8	03003			
080602	HISTORY — WORLD — GRADE 9–12	03004			
080401	HISTORY — STATE — GRADE 7–8	03005			
080402	HISTORY — STATE — GRADE 9–12	03006			
080101	HISTORY — AMERICAN HISTORY AND WORLD BACKGROUNDS	03007			
080802	HISTORY — ANCIENT-MEDIEVAL HISTORY	03008			
080505	HISTORY — BLACK HISTORY	03009			
080606	HISTORY — ENGLISH HISTORY	03010			
080105	HISTORY — LATIN AMERICAN HISTORY	03011			
080302	HISTORY — MODERN EUROPEAN HISTORY	03012			
080700	HISTORY — NON-WESTERN CIVILIZATION	03013			
080701	HISTORY — ORIENTAL HISTORY	03014			
080800	HISTORY — WESTERN CIVILIZATION	03015			
080508	HISTORY — AMERICAN INDIAN HISTORY *(U.S.)*	03016			
	HISTORY	03017			
	HISTORY	03018			
	HISTORY	03019			
	HISTORY	03020			
	HISTORY	03021			
	HISTORY	03022			

OE SCHOOL CODE (copy from page 1)

PART II—Continued

OE CODE NUMBER		COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE MENT	LENGTH OF COURSE (In weeks)
1		2	3	4	5	6
15. SOCIAL SCIENCES—Con.						
070001	GEOGRAPHY	GRADE 7–8	03100			
070203		ECONOMIC *(Commercial)*	03101			
070200		HUMAN OR CULTURAL	03102			
070300		PHYSICAL	03103			
070204		POLITICAL	03104			
070400		REGIONAL	03105			
070411		WORLD OR GLOBAL	03106			
			03107			
			03108			
			03109			
110100	POLITICAL SCIENCE	AMERICAN GOVERNMENT	03130			
110106		BASIC AMERICAN LAW	03131			
110105		COMMUNITY CIVICS	03132			
110301		CURRENT EVENTS	03133			
110400		INTERNATIONAL RELATIONS	03134			
110103		PROBLEMS OF DEMOCRACY	03135			
110101		U.S. CONSTITUTION	03136			
			03137			
			03138			
			03139			
			03140			
150001	OTHER SOCIAL SCIENCES	SOCIAL STUDIES GRADE 7	03190			
150002		SOCIAL STUDIES GRADE 8	03191			
150003		SOCIAL STUDIES GRADE 9	03192			
010000		ANTHROPOLOGY	03193			
150010		COMMUNITY RELATIONS	03194			
140101		COMPARATIVE RELIGION	03195			
040000		CONSERVATION	03196			
060300		CONSUMER ECONOMICS	03197			
060000		CONSUMER EDUCATION	03198			
080000		ECONOMICS	03199			
040100		ENVIRONMENTAL PROBLEMS	03200			
150020		INTERGROUP RELATIONS	03201			
100000		PHILOSOPHY	03202			
120000		PSYCHOLOGY	03203			
130000		SOCIOLOGY	03204			

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE MENT	LENGTH OF COURSE (In weeks)
1	2	3	4	5	6
15. SOCIAL SCIENCES—Con.					
130502	AMERICAN INDIAN PROBLEMS	03205			
		03206			
		03207			
		03208			
		03209			
		03210			
		03211			
		03212			
		03213			
		03214			
		03215			
		03216			
		03217			

LIST OF SUPPLEMENTARY CODES FOR SOCIAL SCIENCES

020101	African Area Studies	080098	Independent Study *(History)*
080706	African History	110098	Independent Study *(Political Science)*
020200	American Area Studies	000098	Independent Study *(Social Sciences)*
080504	American Studies	080903	Industrial History
020109	Asian & African Area Studies	020400	Interdisciplinary Social Studies
020102	Asian Area Studies	020106	Latin American Area Studies
080705	Asian History	080300	Local History
080803	Ethnic History	010201	Man & His World
080099	College-Level History	020107	Middle Eastern Area Studies
110099	College-Level Political Science	080103	Northwest History
000099	College-Level Social Sciences	060900	Occupations
110200	Comparative Systems	020110	Oriental Area Studies
110302	Contemporary Civilization	080107	Pacific Ocean Areas History
110701	Contemporary Political Thought	010202	Patterns in Human History *(ASCP)*
110300	Contemporary World Affairs	110700	Political Theory
080704	Eastern Hemisphere History	020108	Russian Area Studies
080905	Economic History	080702	Russian History
061000	Economic Problems	130500	Social Problems
020105	European Area Studies	110104	State Government
150100	Greater Cleveland Social Studies *(GCSS)*	070410	U.S. Geography
070500	High School Geography Project *(HSGP)*	020111	Western European Area Studies
140102	History of Religion	010200	World Cultures
110900	Human Relations	080800	World Civilization

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OE SCHOOL CODE *(copy from page 1)*

PART II—Continued

OE CODE NUMBER		COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE *(In weeks)*
1		2		3	4	5	6
Be certain to answer all columns (4, 5, & 6) for each course you offer.							
11. MATHEMATICS							
020007	GENERAL MATH	GRADE 7		04001			
020008		GRADE 8		04002			
110900		GRADES 9-13	ELEMENTARY	04003			
110800			ADVANCED	04004			
180100		REMEDIAL MATHEMATICS	GRADE 7–8	04005			
180200			GRADE 9–12	04006			
030100		ALGEBRA	ELEMENTARY	04007			
030200			INTERMEDIATE	04008			
030300			ADVANCED	04009			
				04010			
				04011			
120200		GEOMETRY	PLANE	04030			
120400			SOLID	04031			
120300			INTEGRATED PLANE & SOLID	04032			
				04033			
				04034			
920100	SMSG	GRADES 7–8		04050			
920200		GRADE 9 *(Algebra)*		04051			
920300		GRADE 10 *(Geometry)*		04052			
920400		GRADE 11 *(Algebra 3 & 4)*		04053			
920500		GRADE 12 *(Trigonometry with Mathematical Analysis)*		04054			
920600		CALCULUS		04055			
920700		ALGORITHMS WITH COMPUTATIONS		04056			
030099		COLLEGE-LEVEL MATHEMATICS		04057			
060100		CALCULUS I		04058			
070000		CALCULUS WITH ANALYTIC GEOMETRY		04059			
080000		COMPUTER MATHEMATICS		04060			
090000		ELEMENTARY FUNCTIONS		04061			
000098		INDEPENDENT STUDY		04062			
040000		INTEGRATED ALGEBRA & TRIGONOMETRY		04063			
130000		INTRODUCTION TO ANALYSIS		04064			
150000		PROBABILITY & STATISTICS		04065			
160000		TRIGONOMETRY		04066			

**School Mathematics Study Group.*

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE *(In weeks)*
1	2	3	4	5	6
11. MATHEMATICS — *Con.*					
		04067			
		04068			
		04069			
		04070			
		04071			
		04072			
		04073			
		04074			
		04075			
		04076			
		04077			
		04078			

LIST OF SUPPLEMENTARY CODES FOR MATHEMATICS

120100 Analytic Geometry
050000 Applied Mathematics
060200 Calculus II
030600 Linear Algebra
030700 Matrix Algebra

(Special curriculum developments)

900000 Beta Math *(I–IV)*
910100 GCMP, grade 7 *(Greater Cleveland Math Project)*
910200 GCMP, grade 8
910300 GCMP, grade 9
910400 GCMP, grade 10
910500 GCMP, grade 11
910600 GCMP, grade 12
930100 SSMCIS, grade 7 *(Secondary School Math Curriculum Improvement Study)*
930200 SSMCIS, grade 8
930300 SSMCIS, grade 9
930400 SSMCIS, grade 10
930500 SSMCIS, grade 11
930600 SSMCIS, grade 12
940100 UICSM, grade 7 *(University of Illinois Committee on School Math)*
940200 UICSM, grade 8
940300 UICSM, grade 9
940400 UICSM, grade 10
940500 UICSM, grade 11
940600 UICSM, grade 12

Report complete courses only, not units within a single course.

OE CODE NUMBER		COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE *(In weeks)*
1		2	3	4	5	6
13. NATURAL SCIENCES						
010001	GENERAL SCIENCE	GRADE 7	05001			
010002		GRADE 8	05002			
010003		GRADE 9	05003			
010004		GRADE 10–12	05004			
			05005			
			05006			

OE SCHOOL CODE (copy from page 1)

PART II–Continued

OE CODE NUMBER	COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2		3	4	5	6
13. NATURAL SCIENCES –Con.						
020400	BIOLOGY	1ST YEAR	08010			
020500		2D YEAR	08011			
020100		BOTANY	08012			
020011		ECOLOGY	08013			
020028		ENVIRONMENTAL SCIENCE	08014			
020780		LIFE SCIENCE	08015			
020020		PHYSIOLOGY	08016			
020300		ZOOLOGY	08017			
			08018			
020601	BSCS BIOLOGY	**BLUE VERSION	08060			
020602		GREEN VERSION	08061			
020603		YELLOW VERSION	08062			
020604		SPECIAL MATERIALS	08063			
020605		SECOND COURSE	08064			
030101	CHEMISTRY	1ST YEAR	08065			
030102		2D YEAR	08066			
			08067			
			08068			
			08069			
030201	PHYSICS	1ST YEAR	08085			
030202		2D YEAR	08086			
			08087			
			08088			
			08089			
030001	PHYSICAL SCIENCE	1ST YEAR	08110			
030002		2D YEAR	08111			
			08112			
			08113			
			08114			
040001	OTHER NATURAL SCIENCES	AERONAUTICS	08120			
040020		EARTH SCIENCE	08121			
040200		GEOLOGY	08122			
040400		OCEANOGRAPHY	08123			
010200		RESEARCH SEMINAR	08124			
040021		SPACE SCIENCE	08126			

**Biological Sciences Curriculum Study

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2	3	4	5	6
13. NATURAL SCIENCES –Con.					
		08126			
		08127			
		08128			
		08129			
		08130			

LIST OF SUPPLEMENTARY CODES FOR NATURAL SCIENCES

020023	Applied Biology	030209	Electronics
030132	Applied Chemistry	020016	Field Biology
020099	College-Level Biology	020098	Independent Study (Biology)
030199	College-Level Chemistry	030198	Independent Study (Chemistry)
030299	College-Level Physics	030298	Independent Study (Physics)
020005	Biochemistry	020024	Marine Biology
030208	Electricity	030219	Nuclear Science

(Special curriculum developments)

030103	CBA (Chemical Bond Approach) Chemistry	030205	IPS (Introductory Physical Science)
030104	CHEM Study Chemistry	010101	ISCS, grade 7 (Intermediate Science Curriculum Study)
030207	ECCP (Engineering Concepts Curriculum Project)	010102	ISCS, grade 8
040022	ESCP (Earth Space Curriculum Project)	010103	ISCS, grade 9
030204	HPP (Harvard Project Physics)	030203	PSSC (Physical Science Study Committee) Physics
030206	IME (Interaction of Matter & Energy)	030003	TSM (Time, Space & Matter)

OE CODE NUMBER	COURSE TITLE			LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (In weeks)
1	2			3	4	5	6
92. ART							
000007	GENERAL ART OR FINE ARTS	GRADE 7–8		08001			
000001		GRADES 9–12	1ST YEAR	08002			
000002			2D YEAR	08003			
000003			3D YEAR	08004			
000004			4TH YEAR	08005			
010400	ART APPRECIATION			08006			
010100	ART HISTORY			08007			
020000	ART STUDIO			08008			
020402	CERAMICS			08009			
020200	COMMERCIAL DESIGN			08010			
020601	DRAWING & PAINTING			08011			
020201	GRAPHICS			08012			
020401	METAL & JEWELRY			08013			

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OE SCHOOL CODE (copy from page 1)

PART II–Continued

OE CODE NUMBER	COURSE TITLE			LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE MENT	LENGTH OF COURSE (in weeks)
1	2			3	4	5	6
02. ART – Con.							
				08014			
				08015			
				08016			
				08017			

LIST OF SUPPLEMENTARY CODES FOR ART

020701	Filmmaking	020700	Photography
020400	General Crafts	020206	School Service Art
000099	Independent Study	020900	Sculpture

12. MUSIC							
060100	INSTRU MENTAL	BAND	07001				
060200		ORCHESTRA	07002				
060300		SMALL ENSEMBLES	07003				
060400		INSTRUMENTAL CLASSES	07004				
040500	VOCAL	CHORUS	07005				
040400		CHOIR	07006				
040600		GLEE CLUB	07007				
040300		SMALL ENSEMBLES	07008				
030300	COMPOSITION/COUNTERPOINT		07009				
010000	GENERAL MUSIC		07010				
010089	INDEPENDENT STUDY		07011				
020100	MUSIC APPRECIATION		07012				
030000	THEORY & HARMONY		07013				
			07014				
			07015				

08. HEALTH & PHYSICAL EDUCATION							
01120101	HEALTH & PHYSICAL EDUCATION COMBINED	GRADE 7	BOYS	08001			
01120102			GIRLS	08002			
01120201		GRADE 8	BOYS	08003			
01120202			GIRLS	08004			
01120301		GRADE 9	BOYS	08005			
01120302			GIRLS	08006			
01120401		GRADE 10	BOYS	08007			
01120402			GIRLS	08008			
01120501		GRADE 11	BOYS	08009			
01120502			GIRLS	08010			
01120601		GRADE 12	BOYS	08011			
01120602			GIRLS	08012			

08. HEALTH & PHYSICAL EDUCATION – Con.							
03000101	PHYSICAL EDUCATION	GRADE 7	BOYS	08015			
03000102			GIRLS	08016			
03000201		GRADE 8	BOYS	08017			
03000202			GIRLS	08018			
03000301		GRADE 9	BOYS	08019			
03000302			GIRLS	08020			
03000401		GRADE 10	BOYS	08021			
03000402			GIRLS	08022			
03000501		GRADE 11	BOYS	08023			
03000502			GIRLS	08024			
03000601		GRADE 12	BOYS	08025			
03000602			GIRLS	08026			
03010001		ADAPTED	BOYS	08027			
03010002			GIRLS	08028			
01000100	HEALTH	GRADE 7–8		08031			
01000200		GRADE 9–12		08032			
01130100	HEALTH & SAFETY COMBINED*	GRADE 7–8		08033			
01130200		GRADE 9–12		08034			
01080000	ALCOHOL, DRUGS, & TOBACCO			08035			
01040000	ENVIRONMENTAL HEALTH			08036			
01060000	FIRST AID			08037			
03040102	MODERN DANCE			08038			
01050000	SEX EDUCATION & FAMILY LIFE			08039			
03040103	SOCIAL DANCE			08040			
				08041			
				08042			
				08043			
				08044			
				08045			

LIST OF SUPPLEMENTARY CODES FOR HEALTH & PHYSICAL EDUCATION

03040105	Ballet	01100500	Mental Health
01010000	Community Health	04040000	Outdoor Recreation
03040400	Creative Rhythms	03000001	Physical Education No Grade Breakdown - Boys
03040101	Folk Dance	03000002	Physical Education No Grade Breakdown - Girls
01120001	Health & Physical Education No Grade Breakdown - Boys	04000000	Recreation
01120002	Health & Physical Education No Grade Breakdown - Girls		

*See also "Safety" under subject area 21, page 11.

OE SCHOOL CODE (copy from page 1)

PART II—Continued

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (in weeks)
1	2	3	4	5	6
21. SAFETY & DRIVER EDUCATION					
Report the total enrollment for driver education under CLASSROOM PHASE. If any of these pupils are receiving driving experience they should also be recorded under PRACTICE DRIVING.					
011100	DRIVER EDUCATION — CLASSROOM PHASE	09001			
010400	DRIVER EDUCATION — PRACTICE DRIVING	09002			
020001	SAFETY — GRADE 7–8	09003			
020002	SAFETY — GRADE 9–12	09004			
020100	CIVIL DEFENSE	09005			
		09006			
		09007			
		09008			
22. JUNIOR R.O.T.C.					
000001	FIRST YEAR	10001			
000002	SECOND YEAR	10002			
000003	THIRD YEAR	10003			
		10004			
		10005			
08. HOME ECONOMICS (GENERAL)					
010001	HOME ECONOMICS — GRADE 7	11001			
010002	HOME ECONOMICS — GRADE 8	11002			
010003	HOME ECONOMICS — GRADES 9–12 — 1ST YEAR	11003			
010004	HOME ECONOMICS — GRADES 9–12 — 2D YEAR	11004			
010005	HOME ECONOMICS — GRADES 9–12 — 3D YEAR	11005			
010006	HOME ECONOMICS — GRADES 9–12 — 4TH YEAR	11006			
010007	HOME ECONOMICS — SEPARATE COURSE FOR BOYS	11007			
010301	CLOTHING & TEXTILES — 1ST YEAR	11008			
010302	CLOTHING & TEXTILES — 2D YEAR	11009			
010303	CLOTHING & TEXTILES — 3D YEAR	11010			
010304	CLOTHING & TEXTILES — 4TH YEAR	11011			
010701	FOODS — 1ST YEAR	11012			
010702	FOODS — 2D YEAR	11013			
010703	FOODS — 3D YEAR	11014			
010704	FOODS — 4TH YEAR	11015			
010200	CHILD DEVELOPMENT	11016			
010400	CONSUMER EDUCATION	11017			

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE (in weeks)
1	2	3	4	5	6
08. HOME ECONOMICS (GENERAL)—Con.					
010600	FAMILY HEALTH	11018			
010800	FAMILY RELATIONS (Living)	11019			
011000	HEALTH & HOME NURSING	11020			
010900	HOME MANAGEMENT	11021			
010900	HOUSING & HOME FURNISHING	11022			
010705	NUTRITION	11023			
		11024			
		11025			
		11026			
		11027			
		11028			
10. INDUSTRIAL ARTS					
Industrial arts courses are not job-oriented, but are designed to give pupils an understanding of the importance of industry in our culture. Such courses emphasize problem solving, the development of technical skills, and the safe use of tools and machines.					
060001	GENERAL INDUSTRIAL ARTS — GRADE 7–8	12001			
060002	GENERAL INDUSTRIAL ARTS — GRADES 9–12 — 1ST YEAR	12002			
060003	GENERAL INDUSTRIAL ARTS — GRADES 9–12 — 2D YEAR	12003			
060004	GENERAL INDUSTRIAL ARTS — GRADES 9–12 — 3D YEAR	12004			
060005	GENERAL INDUSTRIAL ARTS — GRADES 9–12 — 4TH YEAR	12005			
020100	ART METALS	12006			
100100	AUTO MECHANICS	12007			
010300	CARPENTRY	12008			
020201	CERAMICS — GRADE 7–8	12009			
020202	CERAMICS — GRADE 9–12	12010			
010001	CONSTRUCTION — GRADE 7–8	12011			
010002	CONSTRUCTION — GRADE 9–12	12012			
020001	CRAFTS — GRADE 7–8	12013			
020002	CRAFTS — GRADE 9–12	12014			
030001	DRAFTING — GRADE 7–8	12015			
030002	DRAFTING — GRADE 9–12	12016			
040001	ELECTRICITY/ELECTRONICS — GRADE 7–8	12017			
040002	ELECTRICITY/ELECTRONICS — GRADE 9–12	12018			
120100	FLUID POWER	12019			
140001	GENERAL METALS — GRADE 7–8	12020			
140002	GENERAL METALS — GRADE 9–12	12021			

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LEA SCHOOL CODE
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PART II—Continued

OE CODE NUMBER 1	COURSE TITLE 2		LINE NUMBER 3	TOTAL PUPILS ENROLLED 4	GRADE PLACEMENT 5	LENGTH OF COURSE (in weeks) 6
16 INDUSTRIAL ARTS (Con						
160001	GENERAL WOOD	GRADE 7-8	12022			
160002		GRADE 9-12	12023			
070101	GRAPHIC ARTS	GRADE 7-8	12031			
070102		GRADE 9-12	12032			
080001	HOME MECHANICS	GRADE 7-8	12036			
080002		GRADE 9-12	12037			
099001	INDUSTRIAL ARTS MATHEMATICS	GRADE 7-8	12039			
099002		GRADE 9-12	12040			
109001	INDUSTRIAL ARTS SCIENCE	GRADE 7-8	12130			
109002		GRADE 9-12	12031			
120101	INDUSTRIAL TECHNOLOGY	GRADE 7-8	12032			
120102		GRADE 9-12	12033			
070501	LEATHER	GRADE 7-8	12034			
070502		GRADE 9-12	12035			
130001	MANUFACTURING	GRADE 7-8	12036			
130002		GRADE 9-12	12037			
020101	MECHANICAL DRAWING	GRADE 7-8	12038			
020102		GRADE 9-12	12039			
070201	PHOTOGRAPHY	GRADE 7-8	12040			
070202		GRADE 9-12	12041			
039901	PLASTICS	GRADE 7-8	12042			
039902		GRADE 9-12	12043			
040100	PRE-ENGINEERING		12044			
170400	PRINTING		12045			
140201	PUBLIC MECHANICS	GRADE 7-8	12046			
140202		GRADE 9-12	12047			
109500	TEXTILES		12048			
150400	TRANSPORTATION		12049			
140500	WELDING		12050			
			12051			
			12052			
			12053			
			12054			
			12055			
			12056			
			12057			
			12058			

OE CODE NUMBER 1	COURSE TITLE 2	LINE NUMBER 3	TOTAL PUPILS ENROLLED 4	GRADE PLACEMENT 5	LENGTH OF COURSE (in weeks) 6
	LIST OF SUPPLEMENTARY CODES FOR INDUSTRIAL ARTS				
160300	Aeronautics	120201	Industrial Materials, grade 7-8		
040101	Applied Shop, grade 7-8	120202	Industrial Materials, grade 9-12		
040102	Applied Shop, grade 9-12	120300	Industrial Materials & Processes		
030109	Architectural Drafting	150300	Industrial Plastics		
100500	Cabinetmaking	120800	Industrial Practices		
130200	Comm Construction	120401	Industrial Processes, grade 7-8		
030800	Drafting Technology	120402	Industrial Processes, grade 9-12		
030951	Drawing, grade 7-8	140701	Jewelry, grade 7-8		
030952	Drawing, grade 9-12	140702	Jewelry, grades 9-12		
040101	Electricity, grade 7-8	140700	Machines		
040102	Electricity, grade 9-12	130400	Manufacturing Research		
040201	Electronics, grade 7-8	160000	Power/Automotive Mechanics		
040202	Electronics, grade 9-12	120700	Production, grade 7-8		
030500	Engineering Drawing	120702	Production, grade 9-12		
130500	Exploratory Industrial Arts	040600	Radio Technical Electricity		
070700	Graphic Communications	170000	Research & Development		
080200	Industrial Arts for Girls	180100	Surveying		
020301	Industrial Crafts, grade 7-8	030800	Technical Illustration		
020302	Industrial Crafts, grade 9-12	190200	Textile Technology		
030600	Industrial Design				

Enter only courses here. Occupational programs should be reported in Part III

OE CODE NUMBER 1	COURSE TITLE 2			LINE NUMBER 3	TOTAL PUPILS ENROLLED 4	GRADE PLACEMENT 5	LENGTH OF COURSE (in weeks) 6
01 AGRICULTURE (GENERAL)							
090001	GENERAL AGRICULTURE	GRADE 7-8		13021			
090002		GRADES 9-12	1ST YEAR	13022			
090003			2D YEAR	13023			
090004			3D YEAR	13024			
090005			4TH YEAR	13025			
110000	SAFE OPERATION OF FARM MACHINERY (Grades 7-8)			13026			
				13027			
				13028			
				13029			
05 BUSINESS (GENERAL)							
010000	ACCOUNTING			14021			
020000	ADVERTISING & SALES PROMOTION			14022			
030100	BOOKKEEPING	1ST YEAR		14023			
030200		2D YEAR		14024			
030600		MACHINE		14025			
050000	BUSINESS ARITHMETIC			14026			
060000	BUSINESS ENGLISH			14027			
080000	BUSINESS FINANCE			14028			

OE SCHOOL CODE *(copy from page 1)*

PART II–Continued

OE CODE NUMBER	COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE *(In weeks)*
1	2		3	4	5	6
03. BUSINESS *Con*						
100000	BUSINESS MACHINES		14012			
090000	BUSINESS LAW		14013			
140000	CLERICAL PRACTICE		14014			
170300	COMPUTER MATHEMATICS		14015			
170400	COMPUTER PROGRAMMING		14016			
180100	CONSUMER ECONOMICS		14017			
150000	CONSUMER EDUCATION		14018			
190000	ECONOMIC GEOGRAPHY		14019			
230000	GENERAL BUSINESS		14020			
170100	INTRODUCTION TO DATA PROCESSING		14021			
170801	KEY PUNCH		14022			
260000	OFFICE PROCEDURES		14023			
030700	RECORD KEEPING		14024			
320000	RETAILING		14025			
330000	SALESMANSHIP		14026			
340900	SECRETARIAL OFFICE PRACTICES		14027			
340300	SHORTHAND	1ST YEAR	14028			
340400		2D YEAR	14029			
340200		PERSONAL	14030			
350300	TYPEWRITING	1ST YEAR	14040			
350400		2D YEAR	14041			
350100		PERSONAL	14042			
			14043			
			14044			
			14045			
			14046			
			14047			
			14048			

LIST OF SUPPLEMENTARY CODES FOR BUSINESS

030300	Bookkeeping–3d year
030400	Bookkeeping–4th year
120000	Business Statistics
170500	Computer Operation
170600	Computer Processing Equipment Operation
340500	Dictation
210000	Filing
340100	Machine Shorthand
340800	Machine Transcription
270000	Marketing
350200	Production Typewriting
340600	Speedbuilding *(Shorthand)*
350500	Typewriting–3d year
350600	Typewriting–4th year
360000	Wholesaling *(General)*

OE CODE NUMBER	COURSE TITLE		LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACEMENT	LENGTH OF COURSE *(In weeks)*
1	2		3	4	5	6
17. TRADES & INDUSTRY *(COURSES)*						
040200	AIRCRAFT OPERATION		15001			
030101	AUTO BODY & FENDER MECHANICS I		15002			
030201	AUTOMOTIVE MECHANICS I		15004			
260100	BARBERING		15006			
380201	CABINETMAKING I		15007			
100101	CARPENTRY	1ST YEAR	15009			
100102		2D YEAR	15010			
290200	COOK/CHEF		15011			
260201	COSMETOLOGY I		15012			
020100	ELECTRICAL APPLIANCE REPAIR		15014			
140001	ELECTRICITY	1ST YEAR	15015			
140002		2D YEAR	15016			
150001	ELECTRONICS	1ST YEAR	15019			
150002		2D YEAR	15020			
230100	FOUNDRY		15023			
040100	GENERAL AVIATION MECHANICS		15024			
190001	GRAPHIC ART	1ST YEAR	15025			
190002		2D YEAR	15026			
150200	INDUSTRIAL ELECTRONICS		15027			
230200	MACHINE SHOP		15028			
230300	MACHINE TOOL OPERATION		15029			
100400	MASONRY		15030			
100500	PAINTING & DECORATING		15031			
100600	PLASTERING		15032			
100700	PLUMBING & PIPEFITTING		15033			
190200	PRINTING		15034			
150300	RADIO/T.V. REPAIR		15035			
230501	SHEET METAL I		15036			
290400	WAITER/WAITRESS		15037			
210200	WATCHMAKING & REPAIR		15038			
230801	WELDING & CUTTING I		15039			
380001	WOODWORKING I		15040			
			15041			
			15042			
			15043			
			15044			

PART II—Continued

OE SCHOOL CODE *(copy from page 1)*

OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE-MENT	LENGTH OF COURSE *(In weeks)*
1	2	3	4	5	6
17. TRADES & INDUSTRY *(COURSES) – Con.*					
		15045			
		15046			
		15047			
		15048			
		15049			
		15050			
		15051			
		15052			
		15053			

LIST OF SUPPLEMENTARY CODES FOR TRADES & INDUSTRY *(Courses)*

040101	Airframe Mechanics	140004	Electricity IV
030102	Auto Body & Fender Mechanics II	150003	Electronics III
030202	Automotive Mechanics II	150004	Electronics IV
040300	Aviation Ground Operations	010200	Heating Systems
040102	Aviation Power Plant Mechanics	100300	Heavy Equipment *(Construction)*
290100	Baking	140100	Industrial Electricity
080200	Boat Operation & Maintenance	190300	Lithography/Photography
360202	Cabinetmaking II	290300	Meat Cutting/Packaging
360203	Cabinetmaking III	140300	Motor Repair
150100	Communications	360300	Millwork
010100	Cooling Systems	230502	Sheet Metal II
260202	Cosmetology II	330200	Tailoring
260203	Cosmetology III	230602	Welding & Cutting II
330100	Dressmaking	360002	Woodworking II
140003	Electricity III	360003	Woodworking III

19. SPECIAL EDUCATION

(DIFFERENTIALIZED FOR THE HANDICAPPED)

150200	ART	18001			
150600	ENGLISH	18002			
150900	HOME ECONOMICS	18003			
151100	MATHEMATICS	18004			
151200	MUSIC	18005			
151300	SCIENCE	18006			
151500	SOCIAL SCIENCES	18007			
		18008			
		18009			
		18010			

8-DIGIT OE CODE NUMBER	COURSE TITLE	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE-MENT	LENGTH OF COURSE *(In weeks)*
1	3	3	4	5	6
OTHER COURSES					
PLEASE LIST HERE ALL OTHER COURSES YOU OFFER FOR WHICH THERE IS NOT SUFFICIENT SPACE UNDER THE INDIVIDUAL SUBJECT AREAS. *(Please precede title with the 2-digit subject area code & the 6-digit OE code number for the course.)*					
		17001			
		17002			
		17003			
		17004			
		17005			
		17006			
		17007			

23. INTERDISCIPLINARY COURSES

ENTER HERE COURSES UTILIZING TEAM TEACHING IN ORDER TO INTEGRATE TWO OR MORE CONVENTIONALLY SEPARATE SUBJECT AREAS, THE AIM BEING TO MAKE PUPILS AWARE OF THE UNITY OF HUMAN KNOWLEDGE.

(Do NOT report core programs in this category. See definition of core, page 2, instruction 6.) In the parentheses following the subject title, write in the subject areas included in the course. These are the broad classifications of knowledge preceded by 2-digit OE Code Numbers. To add additional courses in this area write in the name of the course as you are familiar with it, and, in the parentheses, the areas of study involved. There are no assigned codes for the INTERDISCIPLINARY field.

FOR OE USE ONLY	COURSE TITLE AND SUBJECT AREAS INCLUDED	LINE NUMBER	TOTAL PUPILS ENROLLED	GRADE PLACE-MENT	LENGTH OF COURSE *(In weeks)*
	EXAMPLE: AMERICAN STUDIES *(SOCIAL SCIENCES/ENGLISH)*		25	11 - 12	18
	ENVIRONMENTAL STUDIES ( )	18001			
	HUMANITIES ( )	18002			
	RELATED ARTS ( )	18003			
	UNIFIED ARTS ( )	18004			
	( )	18005			
	( )	18006			
	( )	18007			

OE SCHOOL CODE (copy from page 1)

PART II—Continued

A. COURSES TAUGHT IN ALTERNATE YEARS. DOES YOUR SCHOOL OFFER, IN ALTERNATE YEARS, ANY COURSES IN WHICH THERE IS NO ENROLLMENT DURING THIS 1972-73 SCHOOL YEAR?

(Check ONE) 1 ☐ YES 2 ☐ NO

(If YES, list below the name of each course, the course with which it alternates, and the 8-digit OE code numbers of both courses)

LINE NUMBER (02)	8-DIGIT OE CODE NUMBER (03)		NAME OF COURSE NOT BEING TAUGHT THIS YEAR	YEAR LAST TAUGHT	ALTERNATES WITH— 8-DIGIT OE CODE NUMBER (04)		NAME OF COURSE BEING TAUGHT THIS YEAR
(for example)	11	160000	TRIGONOMETRY	1971–72	11	120400	SOLID GEOMETRY
19001							
19002							
19003							
19004							
19005							
19006							

A. Some high schools manage to expand the scope of their subject offerings through alternating certain courses every other year. EXCLUDE patterns where courses are regularly offered less frequently than every other year or only when effective demand is manifested.

Alternate year offerings make it possible for pupils to take more courses than the school is able to provide each year, though possibly in reverse order. French IV might precede French III, or Physics might precede Chemistry in a particular pupil's program; but he is able to study all of these during his high school years.

B. PLEASE LIST:

1) THE TITLES AND 8-DIGIT OE CODE NUMBERS OF THE SPECIFIC **COURSES REQUIRED OF ALL PUPILS** IN ORDER TO GRADUATE FROM 12TH GRADE IN THIS HIGH SCHOOL, AND

2) ANY GENERAL HIGH SCHOOL GRADUATION REQUIREMENTS, SUCH AS 3 YEARS OF ENGLISH OR 2 YEARS OF NATURAL SCIENCES; **DO NOT** DUPLICATE REQUIREMENTS IN (1) ABOVE.

IF YOUR SCHOOL DOES NOT OFFER 12TH GRADE, CHECK THIS BOX. ☐ AND DO NOT COMPLETE THIS QUESTION.

LINE NUMBER (02)	8-DIGIT OE CODE NUMBER (03)		COURSE TITLE AND/OR GENERAL REQUIREMENT	FOR OE USE ONLY (04)	LINE NUMBER (02)	8-DIGIT OE CODE NUMBER (03)		COURSE TITLE AND/OR GENERAL REQUIREMENT	FOR OE USE ONLY (04)
20001					20012				
20002					20013				
20003					20014				
20004					20015				
20005					20016				
20006					20017				
20007					20018				
20008					20019				
20009					20020				
20010					20021				
20011					20022				

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OE SCHOOL CODE
(copy from page 1)

PART III. ENROLLMENT OF PUPILS IN OCCUPATIONAL PROGRAMS, GRADES 7–12
1972-73 SCHOOL YEAR

An OCCUPATIONAL PROGRAM is an organized combination or cluster of courses specifically designed for those pupils declaring their intentions to enter recognized nonprofessional careers or occupations such as those described in the State Plan for Vocational and Technical Education. Report here all pupils enrolled in such occupational programs.

EXCLUDE data for any postsecondary *(above grade 12)* programs your school may offer.

DO NOT DUPLICATE in Part III any enrollment entered in Part II of this form.

DO NOT CROSS OUT OR CHANGE any program title printed on the form. If the programs listed in each subject area of Part III do not contain a program you offer, enter your name for this program in the blank space under the appropriate subject area.

Make sure you include data for programs in which your pupils are participating at vocational, technical, or other centers. The enrollment in such programs not taught at your school should be preceded by an asterisk (*). If your school receives pupils from other schools for specified programs, their enrollment should not be counted by your school.

Enter the total enrollment for a given program *(as of February 1, 1973)* in column 4.

In column 5, enter the prescribed length of the specific program in terms of weeks.

OE CODE NUMBER	OCCUPATIONAL PROGRAM TITLE	LINE NUMBER	TOTAL ENROLLMENT IN PROGRAM	LENGTH OF PROGRAM *(in weeks)*
1	2	3	4	5
01. AGRICULTURE *(OCCUPATIONAL)*				
010000	AGRICULTURE PRODUCTION	21001		
020000	AGRICULTURAL SUPPLIES/SERVICES	21002		
030000	AGRICULTURAL MECHANICS	21003		
040000	AGRICULTURE PRODUCTS/PROCESSING	21004		
050000	ORNAMENTAL HORTICULTURE	21005		
060000	AGRICULTURAL RESOURCES	21006		
070000	FORESTRY	21007		
		21008		
		21009		
		21010		
		21011		
		21012		
04. DISTRIBUTIVE EDUCATION				
000001	DISTRIBUTION – 1ST YEAR	22001		
000004	DISTRIBUTION – 2D YEAR	22002		
000002	COOPERATIVE DISTRIBUTION – 1ST YEAR	22003		
000005	COOPERATIVE DISTRIBUTION – 2D YEAR	22004		
010000	ADVERTISING SERVICES	22005		
060000	FOOD DISTRIBUTION	22006		
080000	GENERAL MERCHANDISE	22007		
090000	HARDWARE, BUILDING, & FARM MATERIALS	22008		
110000	HOTEL & LODGING	22009		
130000	INSURANCE	22010		

OE CODE NUMBER	OCCUPATIONAL PROGRAM TITLE	LINE NUMBER	TOTAL ENROLLMENT IN PROGRAM	LENGTH OF PROGRAM *(in weeks)*
1	2	3	4	5
04. DISTRIBUTIVE EDUCATION—Con.				
170000	REAL ESTATE	22011		
320000	SERVICE STATION MANAGEMENT	22012		
		22013		
		22014		
		22015		
		22016		

LIST OF SUPPLEMENTARY CODES FOR DISTRIBUTIVE EDUCATION

020000	Apparel & Accessories	070000	Food Service
030000	Automotive Sales	100000	Home Furnishings
040000	Finance & Credit	160000	Petroleum *(Wholesale)*

07. HEALTH OCCUPATIONS			
010100	DENTAL ASSISTANT	23001	
010300	DENTAL LAB TECHNICIAN	23002	
070100	ENVIRONMENTAL HEALTH ASSISTANT	23003	
020300	MEDICAL LAB ASSISTANT	23004	
030300	NURSING AIDE	23005	
040100	OCCUPATIONAL THERAPY ASSISTANT	23006	
040200	PHYSICAL THERAPY ASSISTANT	23007	
030200	PRACTICAL NURSE	23008	
050100	X-RAY TECHNICIAN	23009	
		23010	
		23011	
		23012	

PART III—Continued

OE SCHOOL CODE (copy from page 1)

OE CODE NUMBER	OCCUPATIONAL PROGRAM TITLE	LINE NUMBER	TOTAL ENROLLMENT IN PROGRAM	LENGTH OF PROGRAM (In weeks)
1	2	3	4	5
09. HOME ECONOMICS (OCCUPATIONAL)				
020100	CARE & GUIDANCE OF CHILDREN	24001		
020200	CLOTHING MANAGEMENT, PRODUCTION, & SERVICES	24002		
020300	FOOD MANAGEMENT, PRODUCTION, & SERVICES	24003		
020400	HOME FURNISHINGS, EQUIPMENT, & SERVICES	24004		
020500	INSTITUTIONAL & HOME MANAGEMENT	24005		
020600	HEALTH SERVICES	24006		
		24007		
		24008		
		24009		
		24010		
		24011		
		24012		
14. OFFICE OCCUPATIONS				
010000	ACCOUNTING AND COMPUTING OCCUPATIONS	25001		
020000	BUSINESS DATA PROCESSING SYSTEMS OCCUPATIONS	25002		
030000	FILING, OFFICE MACHINES, & GENERAL OFFICE CLERICAL OCCUPATIONS	25003		
040000	INFORMATION, COMMUNICATION OCCUPATIONS	25004		
050000	MATERIALS SUPPORT OCCUPATIONS, TRANSPORTING, ETC.	25005		
060000	PERSONNEL, TRAINING, & RELATED OCCUPATIONS	25006		
070000	STENOGRAPHIC, SECRETARIAL, & RELATED OCCUPATIONS	25007		
080000	SUPERVISORY & ADMIN. MANAGEMENT OCCUPATIONS	25008		
090000	TYPING & RELATED OCCUPATIONS	25009		
		25010		
		25011		
		25012		
		25013		
		25014		
		25015		
16. TECHNICAL EDUCATION				
010100	AERONAUTICAL TECHNICIAN	26001		
010300	ARCHITECTURAL TECHNICIAN (Building Construction)	26002		
030600	BIOMEDICAL TECHNICIAN	26003		
011800	COMPUTER CIRCUITRY TECHNICIAN	26004		
010700	ELECTRICAL TECHNICIAN	26005		
010900	ELECTROMECHANICAL TECHNICIAN	26006		
010800	ELECTRONIC TECHNICIAN	26007		
011000	ENVIRONMENTAL TECHNICIAN	26008		
060700	FASHION TECHNICIAN	26009		
010500	INDUSTRIAL CHEMISTRY TECHNICIAN	26010		
011200	INSTRUMENTATION TECHNICIAN	26011		
011300	MECHANICAL DESIGN & CONSTRUCTION TECHNICIAN	26012		
060600	PHYSICAL SCIENCE TECHNICIAN	26013		
060500	POLICE SCIENCE TECHNICIAN	26014		
		26015		
		26016		
		26017		
		26018		
		26019		
17. TRADES & INDUSTRIAL OCCUPATIONS				
010500	AIR CONDITIONING OCCUPATIONS	27001		
020000	APPLIANCE REPAIR OCCUPATIONS	27002		
030000	AUTO SERVICES	27003		
040000	AVIATION OCCUPATIONS	27004		
060000	BUSINESS MACHINE MAINTENANCE OCCUPATIONS	27005		
100000	CONSTRUCTION & MAINTENANCE TRADES	27006		
110000	CUSTODIAL SERVICES	27007		
120000	DIESEL MECHANIC	27008		
130000	DRAFTING OCCUPATIONS	27009		
140000	ELECTRICAL OCCUPATIONS	27010		
150000	ELECTRONIC OCCUPATIONS	27011		
190000	GRAPHIC ARTS OCCUPATIONS	27012		
210000	INSTRUMENT MAINTENANCE & REPAIR OCCUPATIONS	27013		
220000	MARITIME OCCUPATIONS	27014		
230000	METALWORKING OCCUPATIONS	27015		
260000	PERSONAL SERVICES OCCUPATIONS	27016		
280000	PUBLIC SERVICE OCCUPATIONS	27017		
290000	QUANTITY FOOD OCCUPATIONS	27018		
300000	REFRIGERATION OCCUPATIONS	27019		
310000	SMALL ENGINE REPAIR OCCUPATIONS	27020		
340000	LEATHER WORKING OCCUPATIONS	27021		
360000	WOODWORKING OCCUPATIONS	27022		
		27023		

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OE SCHOOL CODE *(copy from page 1)*

PART III—Continued

OE CODE NUMBER	OCCUPATIONAL PROGRAM TITLE	LINE NUMBER	TOTAL ENROLLMENT IN PROGRAM	LENGTH OF PROGRAM *(in weeks)*
1	2	3	4	5
17. TRADES & INDUSTRIAL OCCUPATIONS—*Cont.*				
		27024		
		27025		
		27026		
		27027		
		27028		
		27029		
		27030		
		27031		
		27032		
		27033		

OE CODE NUMBER	OCCUPATIONAL PROGRAM TITLE	LINE NUMBER	TOTAL ENROLLMENT IN PROGRAM	LENGTH OF PROGRAM *(in weeks)*
1	2	3	4	5
19. HANDICAPPED PROGRAM *(Differentiated)*				
050500	AVOCATIONAL EXPERIENCE	*28001*		
050200	PREVOCATIONAL WORK EXPERIENCE	*28002*		
050300	SPECIALIZED VOCATIONAL PREPARATION	*28003*		
050100	VOCATIONAL INFORMATION	*28004*		
		28005		
		28006		
		28007		
		28008		
		28009		
		28010		
		28011		
		28012		
		28013		
		28014		
		28015		
		28016		

LIST OF SUPPLEMENTARY CODES FOR TRADES & INDUSTRIAL OCCUPATIONS

050000	Blueprint Reading	170000	Foremanship, Supervision, & Management Development
070000	Commercial Art Occupations	240000	Metallurgy Occupations
080000	Commercial Fishery Occupations	270000	Plastics Occupations
090000	Commercial Photography Occupations	320000	Stationary Energy Sources Occupations
160000	Fabric Maintenance Services		

Thank you for your careful response to this questionnaire. Before returning it, will you please check to make certain that every course and occupational program offered in your secondary school during the current school year has been accounted for.

COMMENTS

PREPARED BY	NAME			POSITION OR TITLE	
	NAME OF SCHOOL			ADDRESS OF SCHOOL *(Include ZIP Code)*	DATE
	TELEPHONE	AREA CODE	NUMBER	EXTENSION	

RELATED NCES PUBLICATIONS

OE 74-11701	Education Directory, 1973-74: Public School Systems
OE 73-11411	Preprimary Enrollment, October 1972
OE 74-11406	Bond Sales for Public School Purposes, 1972-73
OE 74-11407	Expenditures for Public Elementary and Secondary Education, 1971-72
NCES 76-143	Statistics of Public Elementary and Secondary Day Schools, Fall 1974
OE 74-11400	Patterns of Course Offerings and Enrollments in Public Secondary Schools, 1970-71
NCES 75-153	Statistics of State School Systems, 1971-72
OE 20191	Statistics of Public and Nonpublic Elementary and Secondary Day Schools, 1968-69
QE 73-11415	Statistics of Local Public School Systems, Fall 1970: Staff
NCES 75-149	Statistics of Local Public School Systems, Finance, 1970-71
OE 22028	Finances of Large City School Systems, 1967-68: A Comparative Analysis
OE 74-11420	Statistics of Nonpublic Elementary and Secondary Schools, 1970-71
OE 74-11425	Nonpublic Schools in Large Cities, 1970-71
	Directory, Public Elementary and Secondary Day Schools, 1968-69:
OE 20126-I	Volume I, North Atlantic Region
OE 20126-II	Volume II, Great Lakes and Plains Region
OE 20126-III	Volume III, Southeast Region
OE 20126-IV	Volume IV, West and Southwest and Outlying Areas
OE 20126-V	Volume V, Directory, Nonpublic Elementary and Secondary Day Schools, United States and Outlying Areas, 1968-69